Postseason Analysis: Glossary

BON TDA JDA MCN IHR LMN LGS LWG Columbia and Snake River dam name abbreviations.

chin1pit Yearling Chinook passing or departing Lower Granite Dam. Wild (w) or hatchery (h).

Environmental Exposure An index of conditions experienced by a *Stock*

Fish Travel Time (FTT) Modeled or measured time for fish to move through a river between two points. For distributions of individuals, this is the difference beween the median departure day and the median arrival day.

Flow Total mount of water passing a point in the river in 1000 cubic feet per second (KCFS). Environmental exposure is computed for flow.

lgrStlhd Steelhead passing or departing Lower Granite Dam. Wild (w) or hatchery (h).

Mean Absolute Deviation (MAD) Average of absolute values of differences between Observed and Predicted daily passage of a stock over a specified range of days.

Observed Data These are from passage, detection, and analysis of PIT-tagged fish stocks or a monitored river condition measurement.

PIT-PH A prediction of the average number of powerhouses that a stock experiences through the entire river. This is function of modeled probabilities of passage through each dam via turbine, bypass, transportation, or spillway as a function of flow and spill conditions.

Predicted Value Modeled or forecast values for stocks or an environmental monitor reading.

Seasonal Change Prediction Predicted Survival or travel time varies over the season as a function of the available information because observed data is used in place of predicted values for each day it becomes available. First prediction uses forecasts of conditions and fish passage. Last uses all observations of conditions and passage. Pre-post is a special run using last observed fish passage and first conditions forecast.

Spill Percent of flow passing over the spillways instead of through the powerhouse. Environmental exposure is computed for spill.

Stock A group of fish sharing life-history e.g. Wild Snake River juvenile yearling Chinook

Survival Fraction or percent living at a lower river location that previously passed or departed an upper location.

Temperature Measured in °C. Environmental exposure is computed for temperature.

Total Dissolved Gas (TDG) Water quality measure of % super-saturation of atmospheric gas in river water. Environmental exposure is computed for TDG.

Water Travel Time (WTT) Modeled time for the water to move through a river between two points. Specific equations for each reservoir relate the velocity to flow and pool elevation.