

Fisheries and Oceans Canada  
Cetacean Research Program  
Pacific Biological Station  
3190 Hammond Bay road  
Nanaimo BC  
V9T 6N7

Bay Cetology  
257 Fir street  
Alert Bay BC  
V0N 1A0

March 31, 2020

### **Winter 2020 Bigg's Killer Whale Population Update**

The Bigg's killer whale population is listed as Threatened in Canada. Population censusing by photo-identification is a key research activity outlined in the action plan for Bigg's killer whales (Fisheries and Ocean Canada 2016) and has been conducted on the Bigg's population each year since 1974. Since then, the Bigg's killer whale population in Canada has undertaken significant growth due to immigration, low mortality, and high rates of reproduction that are presumably correlated with increased prey availability. At the end of 2018 the subset of the population most often found in coastal waters totaled 349 individuals and had grown at an average rate of 4.1% per year since 2012 (Towers et al. 2019). The following list provides names of individuals confirmed to have been born as well as those presumed deceased since the last update provided on December 31, 2019. Population updates will continue to be provided on a quarterly basis.

T146A1 (born 2018)  
T049B4 (born 2019)  
T064B2 (born 2019)  
T174B1 (born 2019)  
T086A1A (born 2019 – died 2019)  
Presumed Dead in 2020 (T002C2, T011, T057A, T146E)

### **References**

Fisheries and Oceans Canada. 2016. Action Plan for the Transient (Bigg's) Killer Whale (*Orcinus orca*) in Canada [Draft]. *Species at Risk Act* Action Plan Series. Fisheries and Oceans Canada, Ottawa. iv + 29 pp.

Towers, J.R., Sutton, G.J., Shaw, T.J.H., Malleon, M., Matkin, D., Gisborne, B., Forde, J., Ellifrit, D., Ellis, G.M., Ford, J.K.B. and Doniol-Valcroze, T. 2019. Photo-identification catalogue, population status, and distribution of Bigg's killer whales known from coastal waters of British Columbia, Canada. *Can. Tech. Rep. Fish. Aquat. Sci.* 3311: vi + 299 p.

The logo for the Government of Canada, featuring the word "Canada" in a serif font with a small red maple leaf icon above the letter 'a'.