**Installation**

The package can be installed using code like the example below, and then selecting the file “ECFchinook\_0.0.1.0000.zip", on the users machine.

# install.packages("remotes") uncomment this and run it once if you have not already installed the “remotes” package.

install.packages(file.choose(), repos = NULL, type = "binary")

You can install the development version of ECFchinook from [GitHub](https://github.com/wdfw-fp/ECFchinook) (*requires Rtools*) with:

# install.packages("pak") uncomment this and run it once if you have not already installed the “pak” package.

pak::pak("wdfw-fp/ECFchinook")

**Running**

Once the package is installed, a template of the input file can be downloaded with a call as follows, where the path is the filepath to to the location on your computer where you want to save the file.

library(ECFchinook)

download\_template(path="ECF\_planning",filename="Inputs\_template.xlsx")

the inputs can be changed to that file to represent the season and the fishery, and that edited version should be saved.

The impacts can then be evaluated and a report generated. There are two options when evaluating the impacts:

1. Evaluate the impacts of the number of days entered in the *Seasons* tab of the inputs. This is accomplished by setting find\_quota = FALSE
2. Find the maximum fishing effort that fits within the allocation, with the effort spread out proportionally to the days specified in the *Seasons* tab of the input file. his is accomplished by setting find\_quota = TRUE

ECF\_mod\_report(Input\_path = "ECF\_planning/Inputs\_2025.xlsx", year=2025,

find\_quota = FALSE,

output\_file= "Best\_days\_report\_25",

output\_dir ="ECF\_planning")

ECF\_mod\_report(Input\_path = "ECF\_planning/Inputs\_2025.xlsx", year=2025,

find\_quota = TRUE,

output\_file= "Best\_quota\_report\_25",

output\_dir ="ECF\_planning")

The above calls will save *.html* file in your specified output directory with the results. It will also save two *.csv* files of Chinook and steelhead results.

You can look up the help files for a functions with, for example:

?ECF\_mod\_report()

If you want to run the code without rendering the report and *.csv* files, you could make a call like the following:

my\_run<-ECF\_mod(path ="ECF\_planning/Inputs\_2025.xlsx",

year=2025,

find\_quota = FALSE)