

Barrier Application Metadata

Each row in the downloaded CSV's represents the results from 1 simulation.

Escapement Data – Both Species

Colum Name	Variable
mprsp1a2	Mean yearly replacement cost estimate for species 1, second age
mpresp1a2	Mean yearly number escaped species 1, second age
totalcostPV2	Total present value cost of escapement for species 1, second age, over the years of interest
mprsp1a1	Mean yearly replacement cost estimate for species 1, first age
mpresp1a1	Mean yearly number escaped species 1, firstage
totalcostPV1	Total present value cost of escapement for species 1, first age, over the years of interest
mprsp1a3	Mean yearly replacement cost estimate for species 1, third age
mpresp1a3	Mean yearly number escaped species 1, third age
totalcostPV3	Total present value cost of escapement for species 1, third age, over the years of interest
mprsp1a4	Mean yearly replacement cost estimate for species 1, fourth age
mpresp1a4	Mean yearly number escaped species 1, fourth age
totalcostPV4	Total present value cost of escapement for species 1, fourth age, over the years of interest
mprsp2a2	Mean yearly replacement cost estimate for species 1, second age
mpresp2a2	Mean yearly number escaped species 2, second age
totalcostsp2PV2	Total present value cost of escapement for species 2, second age, over the years of interest
mprsp2a1	Mean yearly replacement cost estimate for species 2, first age
mpresp2a1	Mean yearly number escaped species 2, first age
totalcostsp2PV1	Total present value cost of escapement for species 2, first age, over the years of interest
mprsp2a3	Mean yearly replacement cost estimate for species 2, third age
mpresp2a3	Mean yearly number escaped species 2, third age
totalcostsp2PV3	Total present value cost of escapement for species 2, third age, over the years of interest
mprsp2a4	Mean yearly replacement cost estimate for species 2, fourth age
mpresp2a4	Mean yearly number escaped species 2, fourth age
totalcostsp2PV4	Total present value cost of escapement for species 2, fourth age, over the years of interest
Total Escapement Cost for Both Species	Total present value cost for both species for each simulation
Total for Species 1	Total present value cost per species 1 for each simulation
Total for Species 2	Total present value cost per species 2 for each simulation

Escapement Data – Species 1

Colum Name	Variable
mprsp1a2	Mean yearly replacement cost estimate for species 1, second age
mpresp1a2	Mean yearly number escaped species 1, second age
totalcostPV2	Total present value cost of escapement for species 1, second age, over the years of interest
mprsp1a1	Mean yearly replacement cost estimate for species 1, first age
mpresp1a1	Mean yearly number escaped species 1, firstage
totalcostPV1	Total present value cost of escapement for species 1, first age, over the years of interest
mprsp1a3	Mean yearly replacement cost estimate for species 1, third age
mpresp1a3	Mean yearly number escaped species 1, third age
totalcostPV3	Total present value cost of escapement for species 1, third age, over the years of interest
mprsp1a4	Mean yearly replacement cost estimate for species 1, fourth age
mpresp1a4	Mean yearly number escaped species 1, fourth age
totalcostPV4	Total present value cost of escapement for species 1, fourth age, over the years of interest
Total Escapement Cost for Species 1	Total present value cost per species 1 for each simulation

Escapement Data – Species 2

Colum Name	Variable
mprsp2a2	Mean yearly replacement cost estimate for species 1, second age
mpresp2a2	Mean yearly number escaped species 2, second age
totalcostsp2PV2	Total present value cost of escapement for species 2, second age, over the years of interest
mprsp2a1	Mean yearly replacement cost estimate for species 2, first age
mpresp2a1	Mean yearly number escaped species 2, first age
totalcostsp2PV1	Total present value cost of escapement for species 2, first age, over the years of interest
mprsp2a3	Mean yearly replacement cost estimate for species 2, third age
mpresp2a3	Mean yearly number escaped species 2, third age
totalcostsp2PV3	Total present value cost of escapement for species 2, third age, over the years of interest
mprsp2a4	Mean yearly replacement cost estimate for species 2, fourth age
mpresp2a4	Mean yearly number escaped species 2, fourth age
totalcostsp2PV4	Total present value cost of escapement for species 2, fourth age, over the years of interest
Total for Species 2	Total present value cost per species 2 for each simulation

Barrier Data

Colum Name	Variable
Simulation Number	Simulation Number
Present value of maintanence costs over X years	Total present value of maintenance cost over n-years of interest
Present value of repair costs over x years	Total present value of repair cost over n-years of interest
Construction costs	Total construction cost values
CostEff	Cost of % escapement added to account for barrier efficiency
Total barrier cost	Total barrier cost (present value) over n-years of interest