NE PVA Parameter log

# Set up

The log file was saved on: 2019-02-21

R version 3.4.4, NEPVA package version: 2.4 (with UI version 0.9)

# Basic information

PVA model run type: simplescenarios  
Species chosen to set initial values: None  
Model to use for environmental stochasticity: betagamma  
Model for density dependence: nodd  
Include demographic stochasticity in model?: TRUE

## Simulation

Number of simulations: 10  
Random seed: 43576

## Productivity

Age at first breeding: 5  
Is there an upper constraint on productivity in the model?: TRUE  
Maximum brood size will be constrained to be no greater than: 4

## Output:

First year to include in outputs: 2012  
Final year to include in outputs: 2070  
Target population size to use in calculating impact metrics: 150  
Quasi-extinction threshold to use in calculating impact metrics: 10  
How should outputs be produced, in terms of ages?: breeding.adults

# Baseline demographic rates

Number of subpopulations: 2  
Are demographic rates applied separately to each subpopulation?: TRUE  
Format for initial population size: breeding.pairs  
Are baseline demographic rates specified separately for immatures?: FALSE

### Population 1

**Initial population values:** Year: 2012 , initial population: 791

**Productivity rates:** Mean: 0.3 , sd: 0.11 , DD: -0.01

**Adult survival rates:** Mean: 0.89 , sd: 0.02 , DD: -0.03

### Population 2

**Initial population values:** Year: 2015 , initial population: 113

**Productivity rates:** Mean: 0.4 , sd: 0.13 , DD: -0.02

**Adult survival rates:** Mean: 0.92 , sd: 0.03 , DD: -0.04

# Impacts

Number of impact scenarios: 3  
Are impacts applied separately to each subpopulation?: FALSE  
Are impacts of scenarios specified separately for immatures?: FALSE  
Are standard errors of impacts available?: FALSE  
Should random seeds be matched for impact scenarios?: FALSE  
Are impacts specified as a relative rather than an absolute harvest?: TRUE  
Years in which impacts are assumed to begin and end: 2035 - 2055

## Impact on Productivity

### Scenario 1 - Name: ice

#### Population 1

**Productivity rates:** Mean: 0.03 , se: NA , DD:

**Adult survival rates:** Mean: 0.05 , se: NA , DD:

#### Population 2

**Productivity rates:** Mean: NA , se: NA , DD:

**Adult survival rates:** Mean: NA , se: NA , DD:

### Scenario 2 - Name: fish

#### Population 1

**Productivity rates:** Mean: 0 , se: NA , DD:

**Adult survival rates:** Mean: 0.12 , se: NA , DD:

#### Population 2

**Productivity rates:** Mean: NA , se: NA , DD:

**Adult survival rates:** Mean: NA , se: NA , DD:

### Scenario 3 - Name: bob

#### Population 1

**Productivity rates:** Mean: 0 , se: NA , DD:

**Adult survival rates:** Mean: 0.17 , se: NA , DD:

#### Population 2

**Productivity rates:** Mean: NA , se: NA , DD:

**Adult survival rates:** Mean: NA , se: NA , DD: