|  | $\begin{gathered} \text { Endpoints } \rightarrow \\ \text { Actions } \downarrow \end{gathered}$ | Daily host survival: Egg | Daily host survival: Larvae | Daily host survival: Juvenile | Daily host survival: Adult | Host reproductive rate (\# eggs/year) | Weekly Bsal transmission on the host within a site | Weekly Bsal transmission and spread among sites | Weekly Bsal zoospore growth (rate to maturity) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Pre-emptive removal - high thinning |  |  |  |  |  |  |  |  |
| 2 | Antifungal treatment |  |  |  |  |  |  |  |  |
| 3 | Probiotic treatment |  |  |  |  |  |  |  |  |
| 4 | Improve body condition |  |  |  |  |  |  |  |  |
| 5 | Habitat structure manipulation / create barriers |  |  |  |  |  |  |  |  |
| 6 | Hydrologic manipulation / remove water |  |  |  |  |  |  |  |  |
| 7 | Fungicide - aquatic habitat |  |  |  |  |  |  |  |  |
| 8 | Heat treatment |  |  |  |  |  |  |  |  |
| 9 | Micropredators |  |  |  |  |  |  |  |  |
| 10 | Reduce public access |  |  |  |  |  |  |  |  |
| 11 | Disinfection stations |  |  |  |  |  |  |  |  |


| Endpoints $\rightarrow$ <br> Actions $\downarrow$ | Weekly Bsal zoospore <br> reproduction (\# <br> zoospores/sporangia) | Weekly persistance <br> of Bsal in the <br> environment | Weekly <br> persistance of <br> Bsal on the host | Non-target effects <br> during mgmt <br> implementation on: <br> Non-target biotic | Non-target effects during <br> mgmt implementation on: <br> Non-target abiotic |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Pre-emptive <br> removal - high <br> thinning |  |  |  |  |  |
| Antifungal <br> treatment |  |  |  |  |  |
| Probiotic treatment |  |  |  |  |  |
| Improve body <br> condition |  |  |  |  |  |
| Habitat structure <br> manipulation / <br> create barriers |  |  |  |  |  |
| Hydrologic <br> manipulation / <br> remove water |  |  |  |  |  |
| Fungicide - aquatic <br> habitat |  |  |  |  |  |
| Heat treatment |  |  |  |  |  |
| Micropredators |  |  |  |  |  |
| Reduce public |  |  |  |  |  |
| access |  |  |  |  |  |


| Endpoints $\rightarrow$ <br> Actions $\downarrow$ | Non-target effects during <br> mgmt implementation on: <br> Human-dimensions | Non-target effects of the mgmt <br> action over a montly time period: <br> Non-target biotic | Non-target effects of the mgmt <br> action over a montly time <br> period: Non-target abiotic | Non-target effects of the <br> mgmt action over a montly <br> time period: Human- <br> dimensions |
| :---: | :---: | :---: | :---: | :---: |
| Pre-emptive <br> removal - high <br> thinning |  |  |  |  |
| Antifungal <br> treatment |  |  |  |  |
| Probiotic treatment |  |  |  |  |
| Improve body <br> condition |  |  |  |  |
| Habitat structure <br> manipulation / <br> create barriers |  |  |  |  |
| Hydrologic <br> manipulation / <br> remove water |  |  |  |  |
| Fungicide - aquatic <br> habitat |  |  |  |  |
| Heat treatment |  |  |  |  |
| Micropredators |  |  |  |  |
| Reduce public <br> access |  |  |  |  |
| Disinfection <br> stations |  |  |  |  |

