

Supplementary material

Appendix S1. Summary of threats and other relevant information for scree skink (*Oligosoma waimatense*) sites (data from DOC Herpetofauna database records and unpublished reports). Multiple records from the same mountain range were treated as one site if connected by continuous rocky habitat (assessed from site visits and/or high-resolution aerial maps). The threat of predation is implicit because all sites are exposed to a suite of mammalian predators. Sites are coded to protect their identities. Region: Cant = Canterbury, Marl = Marlborough. Survey = site has been subjected to a lizard survey, monitoring = monitoring has been done.

| Site code | Region | Last known sighting | Survey | Monitoring | Maximum no. seen | Threats (additional to predation) and other relevant information |
|-----------|--------|---------------------|--------|------------|------------------|---|
| CHR | Cant | 2018 | √ | √ | 60 | Flooding, weed encroachment, human interference |
| CLB | Cant | 2018 | √ | √ | 18 | Weed encroachment (wilding pines and other exotic trees), habitat loss (flooding associated with a hydroelectric dam) |
| CES | Cant | 2014 | √ | × | 3 | Flooding of stream bed, weed encroachment |
| CHC | Cant | 2014 | √ | × | 4 | Flooding of stream bed |
| MCR | Marl | 2013 | × | × | 1 | Flooding of stream bed |
| CSR | Cant | 2008 | √ | × | 3 | Flooding of stream bed |
| MBR | Marl | 2008 | √ | × | 12 | Unknown; most recent survey did not locate animals |
| MCR | Marl | 2008 | × | × | 1 | Area suffered major damage from Kaikoura earthquake |
| CDR | Cant | 2007 | √ | × | 1 | Unknown. Scree habitat not at risk of flooding |
| CGM | Cant | 2006 | √ | × | 1 | Unknown. Scree habitat not at risk of flooding |
| OBC | Otago | 2003 | √ | × | 2 | Unknown |
| OLMI | Otago | 2001 | √ | × | 14 | Weed encroachment (wilding pines), illegal collection |
| OBDC | Otago | 2000 | √ | × | 4 | Unknown |
| CBR | Cant | 1999 | × | × | 1 | Unknown. Scree habitat not at risk of flooding |
| MMF | Marl | 1998 | × | × | 1 | Area suffered major damage from Kaikoura earthquake |
| MSRS | Marl | 1997 | √ | × | 2 | Area suffered major damage from Kaikoura earthquake |
| MIH | Marl | 1996 | × | × | 1 | Unknown. Scree habitat not at risk of flooding |
| MCR | Marl | 1992 | × | × | 1 | Unknown |
| ODC | Otago | 1989 | √ | × | 10 | Unknown |
| ORC | Otago | 1989 | √ | × | 17 | Potential threat of wilding pines |
| MKR | Marl | 1987 | × | × | 1 | Area suffered major damage from Kaikoura earthquake |
| OEB | Otago | 1985 | √ | × | 3 | Unknown |
| MUWR | Marl | 1984 | × | × | 1 | Unknown |
| CBOR | Cant | 1979 | × | × | 1 | Unknown. Scree habitat not at risk of flooding |
| MMS | Marl | 1979 | × | × | 1 | Unknown |
| CLC | Cant | 1970 | × | × | 1 | Unknown; habitat may have been lost at this site (flooding associated with a hydroelectric dam) |