**Table S3: Major changes to forest habitats identified and their key impacts on forest bird species, with supporting references.**

|  |  |  |
| --- | --- | --- |
| **Change to forest habitat** |  **Key impacts** | **References** |
| 1. Increased abundance of small predators | * Reduced nest success of non-cavity nesters
 | [[1](#_ENREF_1)] |
| 2. Increased fire suppression | * Reduction in invertebrate prey
* Reduction in shrub foraging habitat
* Reduction in early and mid-succession foraging habitat
* Reduction in shrub nesting sites
* Reduction in early and mid-succession nesting habitat
* Reduction in cavity nesting sites
 | [[2](#_ENREF_2),[3](#_ENREF_3)][[1](#_ENREF_1)][[4](#_ENREF_4)][[1](#_ENREF_1),[5](#_ENREF_5)][[4](#_ENREF_4),[5](#_ENREF_5)][[2](#_ENREF_2),[5](#_ENREF_5)] |
| 3. Increased grazing pressure from domestic and wild herbivores | * Reduction in shrub foraging habitat
* Reduction in quality of ground foraging habitat
* Reduction in shrub and ground nesting sites
* Reduction in nest success of ground nesters
 | [[6](#_ENREF_6),[7](#_ENREF_7)][[6](#_ENREF_6),[7](#_ENREF_7)][[6](#_ENREF_6),[7](#_ENREF_7)][[6](#_ENREF_6)] |
| 4. Intensified drainage management | * Reduction in below ground and ground dwelling invertebrate prey
* Reduction in shrub foraging sites
* Reduction in shrub nesting sites
 | [[8](#_ENREF_8),[9](#_ENREF_9)][[10](#_ENREF_10),[11](#_ENREF_11)][[10](#_ENREF_10),[11](#_ENREF_11)] |
| 5. Intensified soil management | * Reduction in below ground and ground dwelling invertebrates in early and mid-succession habitat
* Reduction in quality of ground nesting sites in early and mid-succession habitat
 | [[5](#_ENREF_5),[12](#_ENREF_12)][[12](#_ENREF_12)] |
| 6. Intensified thinning | * Reduction in shrub foraging habitat
* Reduction in shrub nesting habitat
 | [[13](#_ENREF_13)][18] |
| 7. Reduced abundance of broadleaf species | * Reduction in canopy and shrub food resources (invertebrates/seeds/plant material)
* Reduction in shrub and canopy nesting sites
 | [[14](#_ENREF_14),[15](#_ENREF_15)][[16](#_ENREF_16),[17](#_ENREF_17)] |
| 8. Reduced rotation length (including fragmentation effects) | * Reduction in old growth foraging habitat
* Reduction in core foraging habitat
* Reduction in old growth succession nesting habitat
* Reduction in core nesting habitat
* Reduction in nesting success in edge habitat
 | [[18](#_ENREF_18),[19](#_ENREF_19)][[20](#_ENREF_20)][[18](#_ENREF_18),[19](#_ENREF_19)][[20](#_ENREF_20)][[1](#_ENREF_1),[21](#_ENREF_21)] |
| 9. Removal of deadwood | * Reduction in invertebrate prey
* Reduction in cavity nest sites
 | [[5](#_ENREF_5)][[22](#_ENREF_22)] |
| 10. Reduced area of broadleaf/mixed forest | * Reduction in broadleaf and mixed forest foraging and nesting habitat
 | By definition |
| 11. Reduction in management | * Reduction in edge foraging habitat
* Reduction in shrub and ground foraging habitat
* Reduction in edge nesting habitat
* Reduction in shrub and ground nesting sites
 | [[23](#_ENREF_23)][[2](#_ENREF_2),[23](#_ENREF_23)][[23](#_ENREF_23)][[2](#_ENREF_2),[23](#_ENREF_23)] |
| 12. Reduced diversity of tree species | * Reduction in food resources (invertebrates/seeds/plant material)
 | [[15](#_ENREF_15),[17](#_ENREF_17)] |
| 13. Increased forest fires | * Reduction in Mediterranean foraging and nesting habitat
 | [[24](#_ENREF_24)] |
| 14. Loss of habitat through urbanisation | * Reduction in Mediterranean foraging and nesting habitat
 | By definition |
| 15. Increased selective logging | * Reduction in invertebrates in closed canopy and old growth habitat
* Reduction in cavity nests in closed canopy and old growth habitat
 | [[25](#_ENREF_25)][[25](#_ENREF_25)] |

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