**Supplementary Material 3.3**

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Plots of the known distributions (incorporating data from this thesis and available ALA records) were created for a selection of species occurring at more than five localities (**Table 1**). Minimum convex polygons were generated as an approximate method to delineate the maximum currently known distribution of these species.

Kernel Density Estimate (KDE) maps were also produced for a subset of these species. The KDE maps highlight areas of highest sampling effort for these species. However, the KDEs are influenced by historical collection biases, particularly towards regions of intensive prior sampling, such as the Warra LTER.

**Table 1:** Distribution maps and Kernel Density Estimates of selected species.

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| **Buprestoidea: BUPRESTIDAE** | |
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| **Chrysomeloidea: Chrysomelidae** | |
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| **Coccinelloidea: CORYLOPHIDAE** | |
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| **Elateroidea: LYCIDAE** | |
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| **Hydrophiloidea: HYDROPHILOIDEA** | |
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| **Scaraboidea: Scarabaeidae** | |
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| **Scirtoidea: SCIRTIDAE** | |
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| **Staphylinoidea: LEIODIDAE** | |
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| **Staphylinoidea: STAPHYLINIDAE** | |
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| **Tenebrionoidea: ANTHICIDAE** | |
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| **Tenebrionoidea: CIIDAE** | |
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| **Tenebrionoidea: MELANDRYIDAE** | |
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| **Tenebrionoidea: MYCETOPHAGIDAE** | |
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| **Tenebrionoidea: SALPINGIDAE** | |
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| **Tenebrionoidea: TENEBRIONIDAE** | |
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| **Tenebrionoidea: ZOPHERIDAE** | |
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