Preliminary Maps of Arthropod Distribution at Cape Hallett, Antarctica

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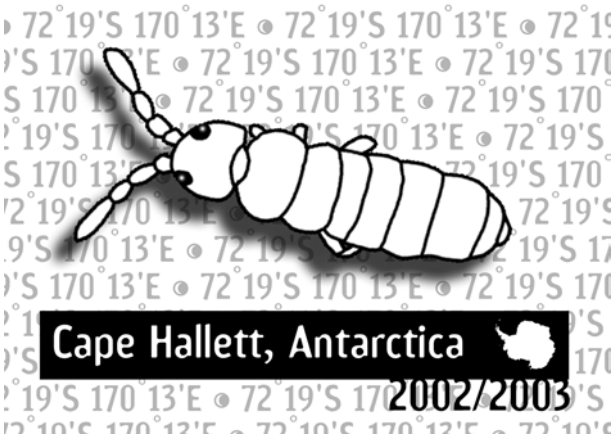
NB: Please contact Brent Sinclair (bjs@sun.ac.za) before citing this report.



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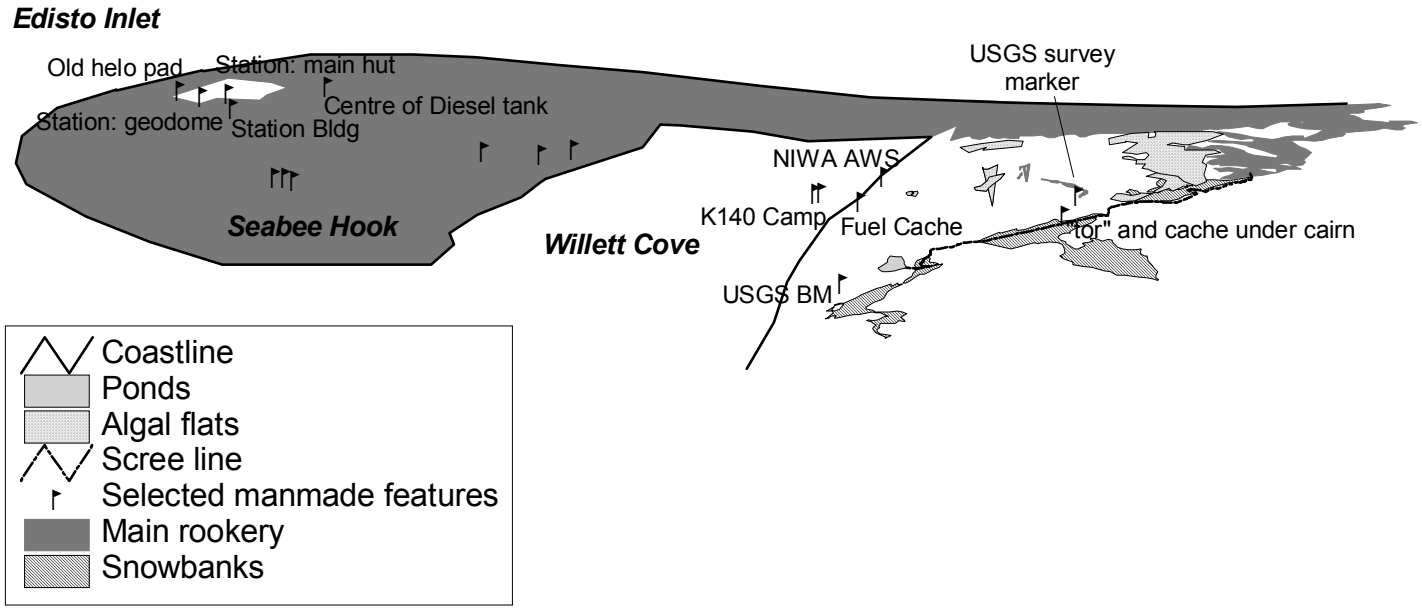

Figure 1. Selected Manmade features at Cape Hallett, for the purposes of orientation.

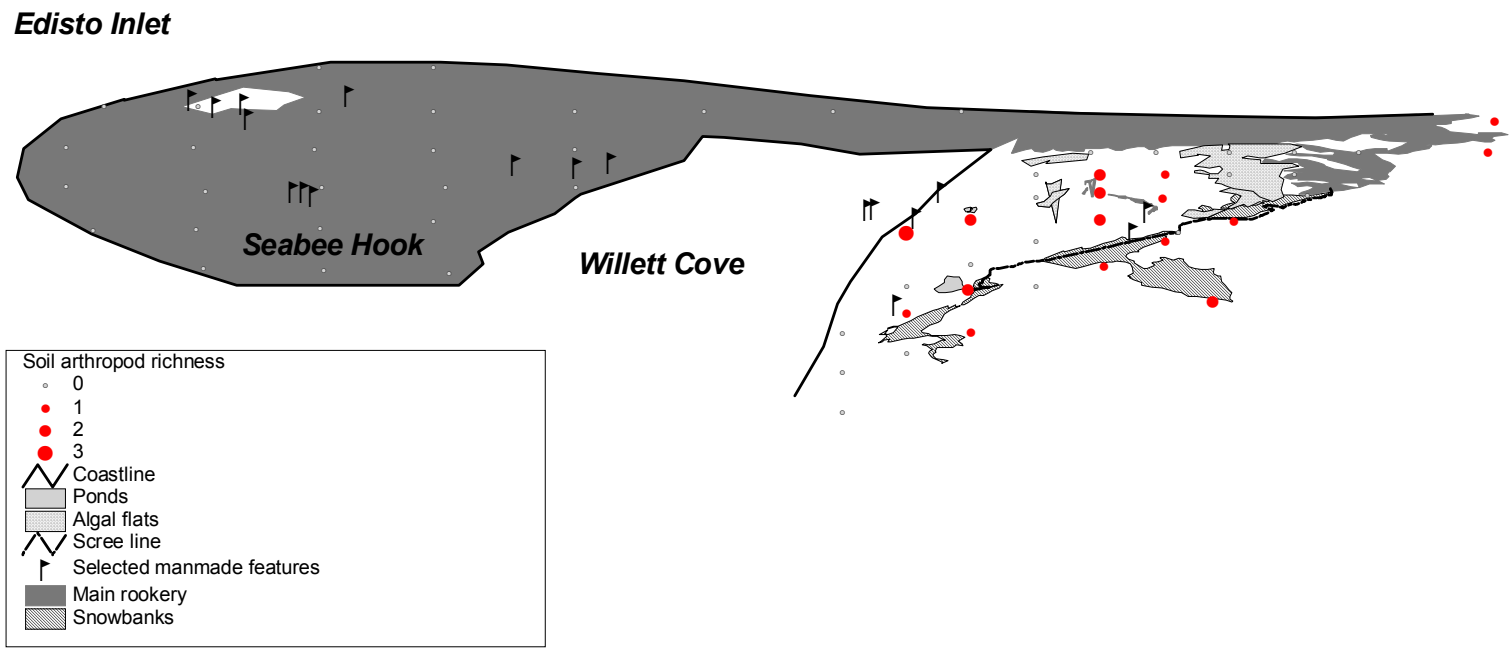

Figure 2. Distribution and species richness of all arthropods (mites and springtails) from grid sampling of soil at Cape Hallett. Species richness calculated from hand sorting (after flotation in water) of three 50 g soil samples per sampling point.

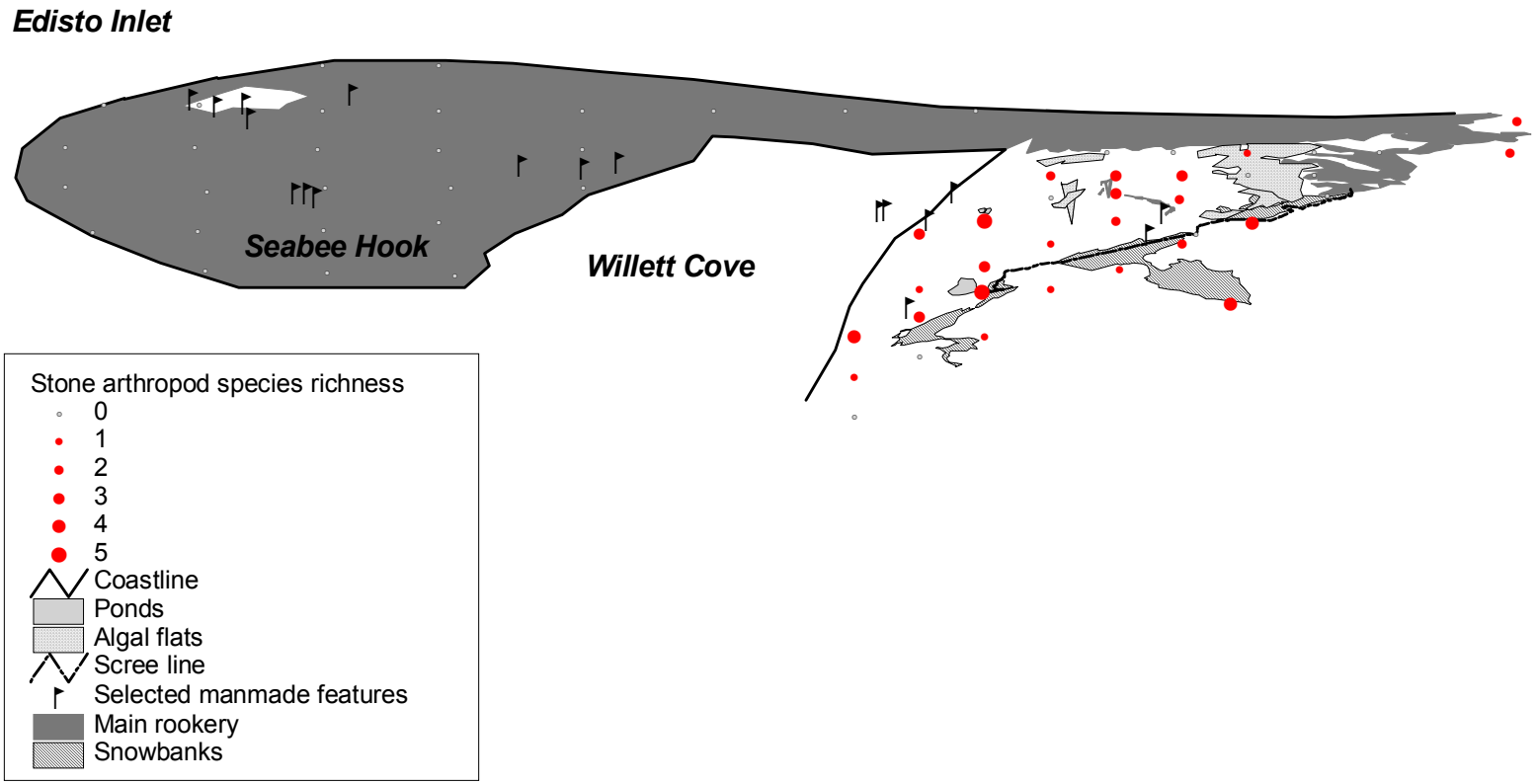

Figure 3 Distribution and species richness of all arthropods (mites and springtails) from grid sampling of stone surfaces at Cape Hallett. Arthropods were washed off five stones per site with distilled water.

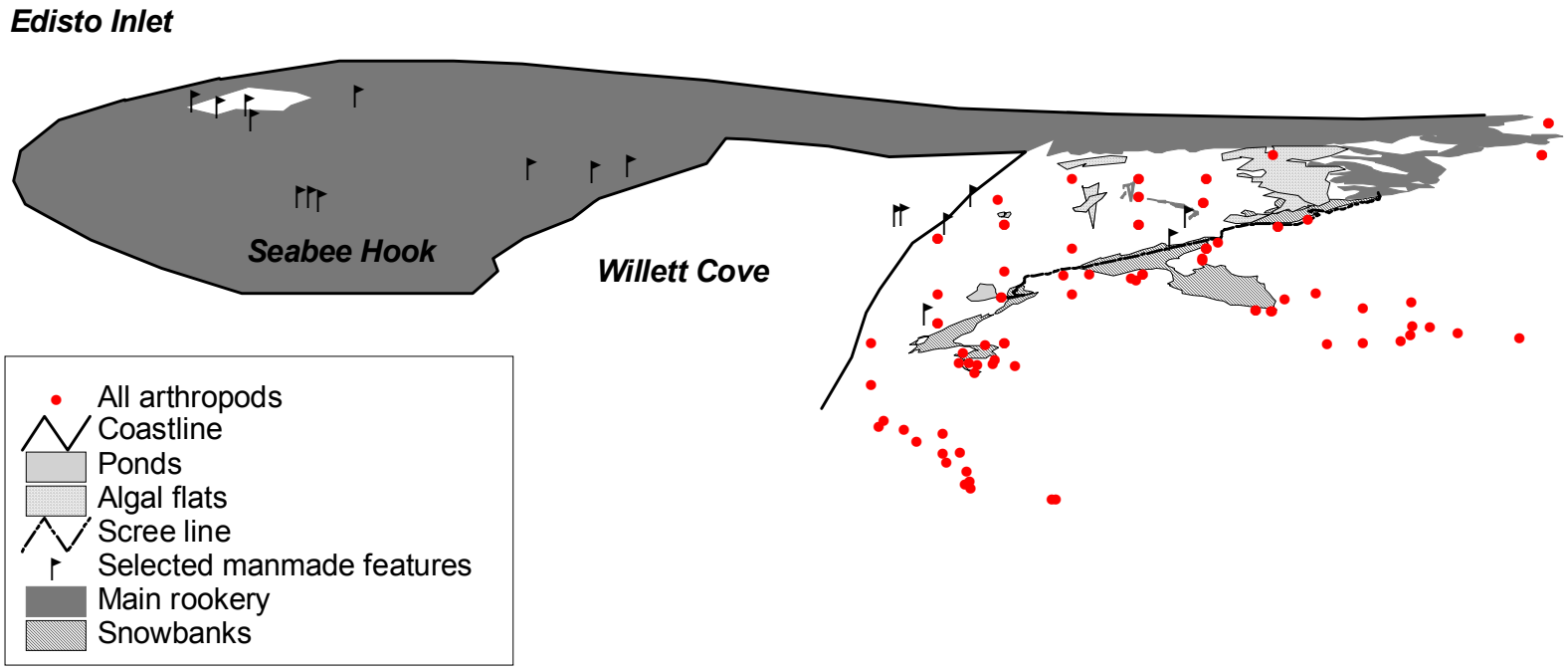

Figure 4 Distribution of arthropod presence at Cape Hallett, incorporating data from Figures 2 & 3 and other collections.

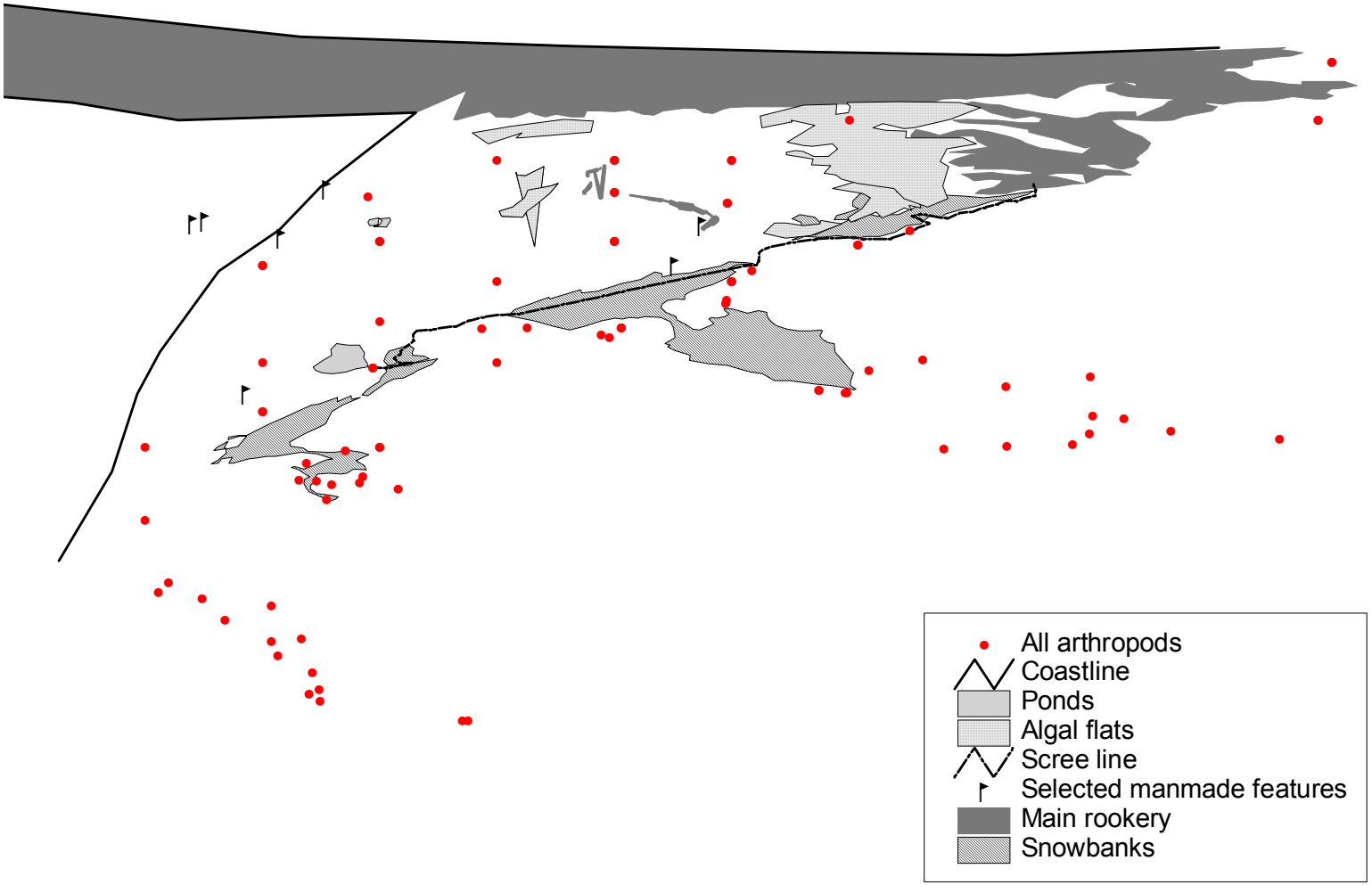

Figure 5 Enlargement of main area of arthropod abundance at Cape Hallett, to South of Willett Cove. Data are from figure 4, but note that arthropods are present throughout the area (and were collected regularly for physiological studies, data not presented here)..