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Main biological surveys are completed

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The Distribution parameters for eight *Euastacus* species along the Liverpool Range & adjoining Mount Royal Spur, eastern New South Wales, Australia.

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Abstract

A total of 50 *Euastacus* species are described from Australia (McCormack & Coughran 2010).

The *Euastacus* crayfish of NSW are well distributed from the Queensland border to the Victorian border with a total of 32 species occurring in NSW. The Mount Royal Range of NSW is a mountainous spur branching off the Liverpool Range, this area is a hotspot for *Euastacus* species with eight species occurring in this area, many sharing the same distribution with other *Euastacus* and *Cherax* crayfish. The Mount Royal Range is part of the Great Divide isolating eastern drainage from western drainage but is also a spur running roughly northwest and separates the drainages of two major eastern flowing rivers the Hunter and Manning Rivers. This is a significant *Euastacus* distribution area with four species sharing both Hunter and Manning drainages, two species Manning and Peel drainages, one species only Hunter and one species only Manning River drainage. The identification and distributions of all eight *Euastacus* species and several *Cherax* species are presented in this paper, with the parameters for these specific distributions.

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