

The biogeographical attributes of the threatened flora of New South Wales

Karel Mokany and Paul Adam

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The geographic distribution, community distribution, taxonomy, and growth form cZhfYUcfU`lgHXUghfYUhbYXi bXYf`GWYXi `Yg%Ubx&cZhfYB Yk `Cci h`K UYg` Threatened Species Conservation Act 1995`k fY`Y Ua]bYX`H`Y B cffh`7cUgh Ubx` 7YbfU`7cUgh6cHb]W`8]]gcbg`U`Y`h`Y`||`Yg`ibi a VYf`cZhfYUhbYX`d`U`bh` gdWYg`k]h`Vch`h`Ygy`Xlj]gcbg`U`j]b[`g[]b]UWbhmia cfY`h`fYUhbYX`d`U`bh` gdWYg`h`U`Y`d`YMMX`5`Uf[YX]gdUf]mVYk`Yb`h`Y`YUgh`U`b`X`h`Y`k`Y`g`h`c`Z`h`Y`g`U`h` k`U`g`Z`i`b`X`z`k`]h`h`Y`Y`U`gh`f`b`X`lj]gcbg`[`Yb`f`U`m`i`W`b`H`b`]b[`Uf[`Y`f`b`i`a` V`f`g`U`b`X` `||`Y`f`d`f`c`d`f`h`c`b`g`c`Z`h`f`Y`U`h`b`Y`X`d`U`b`h`g`d`W`Y`g`h`U`b`h`Y`k`Y`g`h`f`b`X`lj]gcbg` F`U`b`z`f`y`g`z`g`W`f`c`d`m`i`Z`f`y`g`h`U`b`X`g`W`f`c`d`m`i`k`c`c`X`U`b`X`W`a`a`i`b`]h`Y`g`k`f`Y`U`Z`i`b`X`h`c`W`b`H`b`]b[`Uf[`Y`b`i`a` V`f`g`c`Z`h`f`Y`U`h`b`Y`X`d`U`b`h`g`d`W`Y`g`k`]h`k`c`c`X`U`b`X` W`b`H`b`]b[`a`c`f`Y`h`f`Y`U`h`b`Y`X`d`U`b`h`g`d`W`Y`g`h`U`b`Y`d`Y`M`M`X`G`c`a`Y`Uf[`Y`Z`h`]`Y`g`U`b`X` [`Y`b`f`U` W`b`H`b`]b[]g[]b]UWbhmi a cfY`h`f`Y`U`h`b`Y`X`d`U`b`h`g`d`W`Y`g`h`U`b`Y`d`Y`M`M`X` (e.g. Myrtaceae, Proteaceae, *Grevillea* and *Zieria*z`k` \ `]`Y`ch`Y`f`g`W`b`H`b`]b[]g[]b]UWbhmi Z`k`Y`f`h`["5`g`h`f`U`M`U`Z`D`c`U`M`U`U`b`X`7`n`d`Y`f`U`M`U`E`H`Y`U`b`U`n`g`l`g`c`Z`a`U`]h`g`c`k`Y`X`h`U`i` Z`k`Y`f`h`U`b`Y`d`Y`M`M`X`h`f`Y`U`h`b`Y`X`d`U`b`h`g`d`W`Y`g`k`f`Y`f`V`g`D`c`g`l`V`Y`Y`d`U`b`U`j`c`b`g`Z`f`h`Y`U`d`U`f`Y`b`h`X`]g`f`]m`h`c`b`c`Z`h`f`Y`U`h`b`Y`X`U`c`f`U`F`Y`X`]g`W`g`g`X`"

Introduction

H`Y`X`Y`b`h`U`W`h`c`b`U`b`X`d`f`c`h`W`c`b`c`Z`g`d`W`Y`g`Z`U`b[`U`\\[`f`l`g`c`Z`Y`h`b`W`c`b`]b`h`Y`b`Y`U`f`Z`h`i`f`Y`]g`c`b`Y`c`Z`h`Y`W`b`h`U`c`V`W`M`j`Y`g`c`Z`a`c`X`Y`f`b`W`b`g`f`j`U`h`c`b`f`P`Y`h`%`-`,`E`-`b`B`Y`k`C`c`i`h`K`U`Y`g`z`h`Y`Threatened Species Conservation Act 1995`d`f`c`j`X`Y`g`Z`f`h`Y`X`Y`b`h`U`W`h`c`b`c`Z`h`f`Y`U`h`b`Y`X`g`d`W`Y`g`z`b`X`U`b[`Y`F`Y`X`W`c[]W`W`a`a`i`b`]h`Y`g`U`b`X`Y`b`X`U`b[`Y`F`Y`X`d`c`d`i`U`h`c`b`g`z`U`g`k`Y`U`g`h`Y`]a`d`Y`a`Y`b`h`U`h`c`b`c`Z`a`Y`W`U`b`]g`a`g`h`c`f`y`g`f`]W`i`Z`f`h`Y`f`Y`h`h`b`W`c`b`c`Z`g`d`W`Y`g`U`b`X`h`c`f`y`f`g`Y`h`Y`d`f`c`W`g`Y`g`k` \]W`U`j`Y`W`i`g`X`h`f`Y`U`h`

H`Y`]g`h`b[`c`Z`U`g`d`W`Y`g`U`g`h`f`Y`U`h`b`Y`X`i`b`X`Y`f`h`Y`Threatened Species Conservation Act 1995`g`f`j`Y`g`h`c`f`h`[]f`U`f`U`b[`Y`c`Z`a`Y`W`U`b`]g`a`g`U`a`Y`X`U`h`d`f`c`h`W`c`b[`h`U`h`g`d`W`Y`g`z`]b`W`X`j`b[`d`f`Y`d`U`f`U`h`c`b`c`Z`f`Y`W`j`Y`m`d`U`b`g`z`f`Y`e`i`]f`Y`a`Y`b`l`g`Z`f`g`d`W`Y`g`]a`d`U`M`g`U`h`a`Y`b`l`g`U`b`X`d`f`Y`d`U`f`U`h`c`b`c`Z`h`f`Y`U`h`U`M`U`h`a`Y`b`h`d`U`b`g`f`c`a`]h`%`-`+`E`H`Y`X`Y`Y`c`d`a`Y`b`h`c`Z`h`f`Y`U`h`b`Y`X`g`d`W`Y`g`]g`g`]b`]h`g`Y`Z`]g`U`g`c`i`g`Y`Z`z`U`g`h`Y`m`W`b`Z`b`W`c`b`U`g`U`f`Y`g`c`i`f`W`X`c`W`a`Y`b`h`Z`f`W`b`g`f`j`U`h`c`b`z`U`g`]a`d`c`f`H`b`h`c`c`g`Z`f`Y`]g`U`h`j`Y`d`i`d`c`g`Y`g`z`U`g`c`i`f`W`g`c`Z`]b`Z`f`a`U`h`c`b`]b`]b`W`U`g`l`b[`d`i`V`]W`k`U`f`Y`b`Y`g`g`c`Z`W`b`g`f`j`U`h`c`b`]g`g`Y`g`U`b`X`U`g`U`Z`W`g`Z`f`f`Y`g`U`F`W`d`U`b`b`]b[`f`h`W`b`m`f`Y`%`-`&`-`b`B`K`Z`g`d`W`Y`g`z`d`c`d`i`U`h`c`b`g`z`Y`W`c[]W`W`a`a`i`b`]h`Y`g`U`b`X`_`Y`m`h`f`Y`U`h`b`]b[`d`f`c`W`g`g`Y`g`U`F`Y`h`X`c`b`d`i`f`Y`m`g`W`b`h`U`W`f`c`i`b`X`g`V`m`h`Y`]b`X`Y`d`Y`b`X`Y`b`h`B`G`K`G`W`b`h`U`W`7`c`a`a`]h`h`Y`H`]g`f`Y`d`f`Y`g`b`h`g`U`g`l`]b]U`W`b`h`g`f`Y`b[]h`c`Z`h`Y`Threatened Species Conservation Act 1995`f`b`X`U`a`Y`h`U`""%`-`+`E`"

HAYW]Hf]Uzcf`]g]h]b] `cb`h`YGWYXi`YgcZh`YThreatened Species Conservation Act 1995
 UY XYUbYX`]b`h`Y`Y]`g`U]cb`fzcf`9bXUb]`fYX`gdWYg`g%SZ`Zcf`gdWYg`dfYg`a`YX`
 Y]`h]b]Wg%`z]bX`Zcf`Ji`b`fUVY`gdWYg`g%`E`H`Y`W]Hf]U`fY`Y]`dfYg`YX`]b`VfcUX`Hfa`g`
 Vi`h`fY`bch`]b]W`a`dU]VY`k`]h`h`Y`a`cfY`XYU]`YX`W]Hf]U`Yg]U]V]g`YX`Vmi`h`Y`
 -b]Hf]U]cb]U`I`b]cb`Zcf`h`Y`7cbgYf]`U]cb`cZ`B`U]i`fY`fH`7B`%-`(`Ez`k`\\]W`UX`fYg`
 U]Hf]Vi`h]g`UZZW]b]`h`Y`f]g`cZ`Y]`h]b]W]cb`cZ`U`gdWYg`z`]b]W`X]b]`f`U]H]g`cZ`XYW]b]Z`
 X]g]f]Vi`h]cb]U`f]b]`Y`U]b]X`d]c]d]i`U]cb`g]n]Y`DU]H]W`U`WU`Yb]`Yg]U]fY]Z]W]X`]b`]X]Yb]h]Z]h]b]`
 h`fY]U]b]YX`j`U]g]W`U`d`U]b]h`gdWYg`Xi`Y`h`c`Z]U]i`fYg`cZ`h`Y]f`]Z]Y`\\]g]c]f]n]a`]b]W`X]b]`
 j`U]f]U]V]Y`X]g]d]Y]g]U`f]b]`Y`U]b]X`g]Y]g]Y`a`U]i`fY`d`U]g]Y`f]P`Y]h`%-`-,`E`H`Y`]b]W`g]cb`cZ`
 gdWYg`k`]h`fYg]f]W]X]f]b]`Yg]cb`h`fY]U]b]YX`gdWYg`]g]g]a`U]m]V]Z]j`c]i`fYX`c]j`Y`f`gdWYg`
 k`]h`k`]X]Yg]d]fYUX`Vi`h`X]W]b]b]b]`f]b]`Yg`f]A`W]b]m]f]Y`-%`-&`8`Yg]d]H]Y`h]g]z`k`]X]Y]m`
 X]g]f]Vi`h]X`d`U]b]h]g]d]W]Y]g]k`\\]W`U]fY`X]W]b]b]b]`U]g]U]f]Y]g`h]cZ`i`a`U]b`U]M]j`]h]Y]g]a`U]m]V]Y`
 h`c]g]Y`gdWYg`k`\\]W`W]b`a`c]h]Y]Z]Z]W]j`Y]m]V]Y`W]b]g]f]j`YX`h`f]c]i`[`\\`a`c]X]U]M]j]cb`cZ`U]b]X]i`
 i`g]Y`d]f]U]M]W]g]U]b]X`a`U]b]`Y]a`Y]b]h]f]A`W]b]m]f]Y`-%`-&`

HAYW]Hf]Uzcf`]g]h]b] `cb`h`YGWYXi`YgcZh`YThreatened Species Conservation Act 1995
 W]U]f]U]M]f]g]h]W]c]Z`a`c]h]h`fY]U]b]YX`d`U]b]h`gdWYg`z`k`\\]W`a`U]m]f]Y]g`h`]b]`U`[`fY]U]Hf`
 g]g]W]d]H]V]`]h]m]l]c`h`fY]U]g`F]U]M]b]c]k`]m]f]l%`,`%E`]X]Y]b]h]U]YX`g]Y]Y`b`VfcUX`Zcf`a`g`cZ`b]U]i`fU`
 f]U]f]U]m]k`\\]W`U`d`U]b]h`gdWYg`a`U]m]d]c]g]Y]g]z`V]g]X`cb`h`fY]U]Hf]Vi`h]g`cZ`U`gdWYg`
 [`Y]c]`f]U]d`\\]W]U]b]`Y]Z`\\]U]H]L]h]g]d]W]U]M]f]n]a`U]b]X`c`W`d]c]d]i`U]cb`g]n]Y`G]d]W]Y]g`k`]h`U`g]a`U`
 [`Y]c]`f]U]d`\\]W]U]b]`Y`U]b]X`b]U]f]f]c]k`\\]U]H]L]h]g]d]W]U]M]f]n]i]c]W`Y]b]X]Y]a`]W]j`U]f]Y`h`c]g]Y`gdWYg`
 a`c]h]W]a`a`c]b`m]X]Y]b]h]U]YX`U]g]V]Y]b]b]`f]U]f]Y]Z`U]b]X`cZ]h`f]W]j`Y`U]X]g]d]f]c]d]c]f]h]c]b]U]Y]m]i]`[`\\`
 `Y]Y`cZ]W]b]g]f]j`U]cb`U]H]b]h]c]b`-`b`W]b]h]U]g]z`Y]g]U]H]b]h]c]b]g]l`]j`Y]b`h`c`h`c]g]Y`gdWYg`k`]h`
 g]a`U`[`Y]c]`f]U]d`\\]W`f]b]`Y]g`U]b]X`k`]X]Y`\\]U]H]L]h]g]d]W]U]M]f]n]a`c]f`h`c`gdWYg`k`]h`U]f]Y`
 [`Y]c]`f]U]d`\\]W`f]b]`Y]g`U]b]X`b]U]f]f]c]k`\\]U]H]L]h]g]d]W]U]M]f]n]i]`]b]U`n]a]g]a`Y]g]d]W]Y]g]U]f]Y]W]a`a`c]b`
]b`W]H]U]b`U]f]Y]g]V]i`h]a`U]m]V]Y`g]Y]b`h`c`X]g]d`U]m]U]g]d]W]Y]g`cZ]f]U]f]h]m]i]b]c]h`X]f`U]f]Y]g`H`Y`f]U]f]Y`
 d]c]d]i`U]cb]g]a`U]m]f]d]f]Y]g]Y]b]h]i`b]j]e]i`Y`[`Y]b]c]h]d]Y]g]f]f]c]d]d]Y]f`%`-`I]Z]U]b]X`Zcf`a`U]b]a`d]c]f]U]b]h`
 W]a`d]c]b]Y]b]h]c]Z]V]c]X]j`Y]f]g]h]m]k`c]f]h]m]c]Z]W]b]g]f]j`U]cb`f]l]g]h]b]`U]b`Y]b]X]U]b]`f]Y]X`d]c]d]i`U]cb`
]g]U]b]U]d]d]c]d]f]U]Y]a`Y]W]U]b]g]a`d]f]c]j`]X]X`Zcf`V]m]h`YThreatened Species Conservation Act 1995).
 HAYW]Hf]Uzcf`]g]h]b] `cb`h`YGWYXi`YgcZh`YThreatened Species Conservation Act 1995
 H`fY]U]b]YX`U]c]f]U]Z`\\]b]c`h`Y]j`U]f]c]i`g`Zcf`a`g`cZ]f]U]f]h]n]a`c]k`Y]Y`f`h`Y`f]U]f]Y]g]h]g]d]W]Y]g`a`U]m`
 b]c]h]b]Y]W]g]l]f]m]V]Y]h`c]g]Y]U]h]h`Y]f]Y]U]H]g]h]f]g`cZ]Y]`h]b]W]cb`F]U]M]b]c]k`]m]f]l%`,`%E`h]m]l]c`c`[`m]i`
 U]X]f]Y]g]g]f]U]f]h]m]i]g]U]g]d]U]U]d`Y]b]c]a`Y]b]c]b]f]U]f]h]m]i]W]b`U]g]c`\\]j`Y]U]H]a`d]c]f]U`component,
 U]g]k`\\]b]g]d]W]Y]g]U]f]Y]g]c]V]H]X]k`]h`d]U]H]W`U`g]f]U`g]U]Y]g]c]Z]j`Y]Y]U]H]c]b`X]Y]Y]c]d]a`Y]b]h`

HAYW]Hf]Uzcf`]g]h]b] `cb`h`YGWYXi`YgcZh`YThreatened Species Conservation Act 1995
 H`Y`d]f]Y]g]b]h]f]U]f]h]m]c]Z`U`gdWYg`a`U]m]V]Y`W]b]f]V]i`h]X`h`c`V]m]Y]j`c`i`h]c]b]U]f]n]a]V]c]c`[`]W`U]b]X`
 U]b]h]f]c]d]c`[`Y]b]W]Z]U]M]f]g`5`g]d]W]Y]g`a`U]m]V]Y`f]U]f]Z]h]g]U]b`c`X`c]f`H]Y]W]g]d]W]Y]g`k`\\]W`\\]U]g`
 Y]l]g]H]X`Zcf`U]f]Y]U]H]j`Y]m]c]b]`Y]j`c`i`h]c]b]U]f]n]a]Y]zcf`]Z]h]g]U]X]Y]Y]c]d]b]c]f`H]Y]k`N]g]d]W]Y]g`k`\\]W`
 \\]U]g`c]b]m]i]f]Y]W]b]h]m]i]V]W]a`Y]X]g]h]b]W`-`b`g]a`Y]W]g]z`f]U]f]h]m]i]W]b`V]Y]U]b`U]X]U]b]U]Y]h`U]d`U]b]h`
 g]d]W]Y]g]z]a`U]b]l`]h]X]Z]U]W]h`Zcf`\\]Y]V]j`c]f]Y]g]U]b]X`d]U]h]c`[`Y]b]g]h`U]b]X]h]i]f]U]M]b]c]k`]m]f]l%`,`%E`

5`bi`a`V]f`cZ]U]M]f]g`W]b]f]V]i`h`h`c`h`Y]Y]l]h]b]W]cb`cZ`d`U]b]h]g]d]W]Y]g`cb`U]f]`Y`U]b]X`a`U]g]Y]g`
 f]A`i`]f`%-`S]Ez`\\]c]k`Y]Y`f`f]Y]W]b]h`U]H]b]h]c]b`\\]U]g`Z`W]g]YX`U]f]`Y]m]c]b`h`Y`U]b]h]f]c]d]c`[`Y]b]W`
 h`fY]U]g]h`c`d`U]b]h]g]d]W]Y]g`H`Y`Z`-`c]k`]b]l`Z]U]M]f]g`U]f]Y`[`Y]b]Y]U`m]W]b]g]X]Y]f]YX`U]g]a`d]c]f]U]b]h`
 \\i`a`U]b]V]U]g]YX`h`fY]U]g]h`h`Y`W]b]g]f]j`U]cb`cZ`d`U]b]h]g]d]W]Y]g]b]B`G]K`U]b]X`W]U]f]U]b]W`Zcf`
 U]f]W]h`f]Y]Z`[`f]U]h]b]z`Zcf]Y]g]f]n]a`f]c]U]X`k`c]f`g]z`i`f]V]U]b]g]U]cb]z`]b]X]g]f]U`X]Y]Y]c]d]a`Y]b]z`
 U]H]f]YX`U]f]Y]f]Y]a`Y]g]z`g]d]f]YUX`cZ]Y]c]h]W]g]d]W]Y]g]z`U]b]X]X]Y]f]U]X]U]cb]z]d]c`i`h]c]b]z]d]U]h]c`[`Y]b]g]z`
 U]b]X]`Y]U`W`W]M]cb`f]D]5`%-`z`@]Y]l`\\`Y]h]U`%`,`(z]6]c]n]X`%`,`-z]6]Y]b]g]c]b`%`-`%E`

CZH YgZU f]JW'hi fYdfYgYblg'Ua Ucf'hfYUhc'a Ubmid'UbhgdYWYgZi Ydf]a Uf]mhc' hY'Uf] Y'UbX'UFYU]bj c'j YXZUbX'hY]bhhbgj YbUi fYcZU f]JW'hi fU'UMj]hYg"GdYWYg' k \]W' UFY fYgf]WYX'hc']a]hX' j Y] YH]cb' hndYg' UFY a cgh UZZMMX' k \Yb' h'cgY' j Y] YH]cb' hndYg'UFYWUFYXZf'di fdcgYg'g W'UgW'cdd]b] 'cf]a dfcj YX'dUg] fYf]a i]f' % - SE"-bhfexi WY\ YV]j cfYgUgc' d'cgY'g] b]U'Wbhh'fYUg'hc' d'UbhgdYWYgZi Ugh Yma Uni bchcb'mW] gY X]fYW]XLa U] Y'hc' d'Ubhgz'Vi h'Wb'Ugc' WYU'Y]bX]fW]bY] U]j Y'YZWYg' g' W'Ug'gc]' X]f]fUX]cb'f]a i]f' % - SE": cf'Y] Ua d'Yz'hY9i fcdYU'fUW]h]f]Dryctolagus cuniculusLk Ug]X]Yb]U'YXVn5 i 'Xf] % - SLUgh Ya cgh]g] b]U'Wbhh'fYUhc' h'Y'h'fYUhbYX' d'Ub]Acacia carnei.

CbWUgdYWYgVYWa YgfUYZh'fY'a Ucf'g'hc'WUg]h]VU'U'f'g'Wb'Wb]f]Vi h'Y'hc']bWYUg]b] ' h'YdfcVUW]]h'icZ]]g'Y] h]bW]cb" H'YgY'UFY'X'Ya c] f]Ud']W]]bY]h]W'UbX'Yb]]fcb] Yb]U' g'hc'WUg]h]V'U'f]]d]b] / 'Cci 'Y' % , *E' '5' ga U' d'cdi 'U]cb'Z'WYg'Ub']bWYUg]b] 'f]g' cZ extinction from these three types of random factors.

I bh]' fYWb]hmi h'Y'fY k Ug']h'Y' d'fchW]cb' Zcf' h'fYUhbYX' d'Ub]i g'dYWYg' ci h]g]XY' WbgY]j U]cb'fYgY]j Yg']b' B'GK "H'Y'Threatened Species Conservation Act 1995' d'fcj]X'Yg' a YW]b]ga g'hc' d'fchW]h'fYUhbYX'g'dYWYg'h'fci [\ci h'h'Y'g'U]h'Z'UbX'h'Y'GWYXi 'Yg'hc' h'Y'5'Widfcj]XY'U'W]Uc] i Y'fU'V]h]b]W]a d'Y'h'c'Z'h'fYUhbYX'U'cfU' H'Y'g'WYXi 'Yg'cZ h'Y' 7ca a cbk YU'h' Endangered Species Protection Act (and its successor the Environment Protection and Biodiversity Conservation Act) Ug'k Y' Ug'h'Y']g'g'cZFU'Y'cf' H'fYUhbYX' 5i g'f]U]b' D'Ub]g' f'F'c'F'5' D'E' f'f]f] []g' / '@Y] [\ ' % -) E' Ugc']b'W' X'Y' B'GK ' g'dYWYg' Vi h'h'Y']g'g' UFY' bch]X]b]h]W'z'h'Y' X]Z]fY'W'g' fYU'Y]b] ' V'ch' h'Y' X]Z]fY'bh]b]h] h'g'c'Z'h'Y']g'g'Ub'X'j U]U]cb']b' h'YdfcW'g'Y'c'Z'W]a d]U]cb"

H'Y'W]a d]U]cb' cZ'h'Y' g'WYXi 'Yg' Zcf' h'Y' Threatened Species Conservation Act 1995 d'Yfa]g'Ub' Ub'Ung]g'cZ'h'Y'h'fYUhbYX'U'cfU'cZB'GK "'5'fY'h'fYUhbYX'U'cfU' i b]Z'fa' mi X]g]f]Vi h'X'U'U'c'g'g'h'Y'g'U]h'z'cf' UFY'h' Y'm]W'b]Wb]f]U'h'X']b' d'U]h]W'U'f'f]Y]]cb'g'cf' \U]h]U]g'3' 5'fY'g'a Y'U] cbca]W] fci dg'a cfY'] Y'm]c' Wb]U]b' h'fYUhbYX']U' U'h'Ub' ch' Y'f'g'3' H'Y' fYg']hc'Z'g' W'Ub' Ub'Ung]g'a U'm' \U] Y'fY'Y] Ub'W'hc' X'Y' Y'cd]b] ' g'f]U]h]]Yg' Zcf' fYgY]j Y' g'Y'W]cbz'Ub'X'Zcf'df]cf]h]g]b] 'a Ub]U' Ya Ybhc'Z'h'fYUhbYX'g'dYWYg'

H'Y'g]i X'm]dfY'g'bh'X' \Y'fY'Y] Ua]b'Y'g'Y'W'c]]W'Ub'X'V]c] Yc] f]Ud']W'U'h]Vi h'g'c'Z'h'Y' h'fYUhbYX' U'cfU'cZB'GK ' Ug']g'h'X']b' G'WYXi 'Yg' % Ub'X' & cZ'h'Y' Threatened Species Conservation Act 1995, and compares these attributes to those of the entire indigenous U'cfU'cZB'GK "H'Y'U'h]f]Vi h'g'Y] Ua]b'Y'X'UFY'h'Y'X]g]f]Vi h]cb'cZ'h'Y'h'fYUhbYX'U'cfU]b' h'Y'6'ch]b]]W'8']j]g]cb'g'cZB'GK 'f'f' b'X'Y'f'g'b' % (+Ez'h'Y'X]g]f]Vi h]cb'cZ'h'Y'h'fYUhbYX' U'cfU'Ua cb] ' d'Ub]h'W]a a i b]h]Yg']b' B'GK Z'h'Y'U] cbca]W]X]g]f]Vi h]cb'cZ'h'Y'h'fYUhbYX' U'cfU'U]h]]Yb]i'g'Ub'X'Z]a]m'Y] Y'z'Ub'X' h'Y'X]g]f]Vi h]cb'cZ'h'Y'h'fYUhbYX' U'cfU'k]h' respect to habit or growth form.

Methods

H']g'g]i X'm]Y] Ua]b'Y'g'h'Y'U'cfU']g'h'X' Ug'h'fYUhbYX' i b'X'Y' h'Y' B'GK 'Threatened Species Conservation Act 1995, Ug'cZB'cj Ya V'f' % - , "I b'X'Y' h'Y'Act'Z'h'fYUhbYX'g'dYWYg'ZU']b]c' h'c' W]h]cf]Yg'9'bX]b]]fYX'g'dYWYg'f]b]]a a Y'X]U'h'X]b]]f'cZ'Y]h]b]W]cb'k \]W'UFY']g'h'X']b' G'WYXi 'Y'z'Ub'X'Ji b'Y'fU'Y'g'dYWYg'f]h]f]g'cZ'V'W]a]b] 'Yb'X]b]]fY'X]k \]W'

UFY`jgHX`b`GWYXi`Y&cZ`h`YAct`"bW`glcb`cb`h`YGWYXi`Yg`lg`VUgX`cb`Xjgf]Vi`hcbz`
 UMi`bXUbwZ`UbX`h`fYUg`k`j`h`b`B`GK`/`b`gca`Y`WbYg`UgYgga`Ybh`U`b`U`h`cb`U`g`WY`
 XjZf]g`Zca`h`U`h`U`h`Y`g`U`Y`Y`Y`"H`f`Y`U`h`b`Y`X`g`d`Y`M`Y`g`a`U`m`V`Y`f`U`Y`j`b`U`B`GK`W`b`h`h`i`
 V`m`V`j`b`U`h`h`Y`Y`X`j`Y`c`Z`U`k`j`X`f`[`Y`c`f`U`d`j`W`X`j`g`f]`V`i`h`c`b`":`c`f`Y`U`a`d`Y`Z`((`1`c`Z`h`Y`
 h`f`Y`U`h`b`Y`X`d`U`b`h`U`U`j`b`B`GK`c`W`M`f`j`b`c`h`Y`f`5`i`g`f`U`j`b`g`U`h`g`"H`Y`X`Y`U`b`j`h`c`b`c`Z`
 species for the purposes of the *Threatened Species Conservation Act 1995*`j`g`b`c`h`U`g`f]`M`i`m`
 U`j`c`b`c`a`j`W`c`b`Y`Z`g`c`h`U`i`g`c`a`Y`Y`b`h`j`Y`g`j`g`h`X`U`Y`W`f`f`Y`b`h`n`i`b`X`Y`g`W`j`V`X`Z`U`b`X`c`h`Y`f`g`U`Y`
 U`j`U`V`Y`c`k`g`d`Y`M`Y`g`f`U`b`_"

bZ`c`fa`U`j`c`b`f`Y`j`U`X`j`b`j`h`Y`U`j`c`b`c`a`n`z`f`Y`j`c`b`U`X`j`g`f]`V`i`h`c`b`z`U`j`h`z`U`b`X`c`W`M`f`f`Y`b`W`
 k`j`h`b`W`a`a`i`b`j`h`Y`g`k`U`g`f`W`f`X`Y`Z`c`f`Y`U`W`c`Z`h`Y`h`f`Y`U`h`b`Y`X`d`U`b`h`U`U`Z`U`g`k`Y`U`g`Z`f`
 U`c`Z`h`Y`j`b`X`j`Y`b`c`i`g`d`U`b`h`g`d`Y`M`Y`g`c`Z`B`GK`"H`Y`g`Y`X`U`H`k`Y`Y`U`j`Y`b`Z`c`a`h`Y`Flora`of`
 New`South`Wales`f`k`U`X`Y`b`%`-`S`l`%`-`E`K`U`Y`Y`H`U`j`g`h`X`U`g`h`f`Y`U`h`b`Y`X`j`b`h`Y`g`W`Y`X`i`Y`g`
 of`the`Threatened`Species`Conservation`Act`1995`k`Y`Y`b`c`h`X`Y`g`W`j`V`X`j`b`h`Y`:`c`f`U`c`Z`B`GK`Z`
 U`X`j`h`c`b`U`f`Y`Z`f`Y`b`W`a`U`h`f]`U`k`U`g`i`g`Y`f`b`W`X`j`b`j`7`i`b`b`j`b`j`U`a`Y`h`U`"%,`%Z`U`W`V`g`/
 D`j`W`U`F`X`%`,`%Z`7`U`c`j`b`/`H`j`b`X`U`Y`%`-`Z`U`b`X`B`GK`G`W`M`b`h`Z`W`7`c`a`a`j`h`Y`Y`
 determinations).

G`d`Y`M`Y`g`j`g`h`X`i`b`X`Y`h`Y`Threatened`Species`Conservation`Act`%`-`U`g`d`f`Y`g`i`a`Y`X`Y`j`h`b`W`i`
 f`b`c`h`f`Y`W`f`X`Y`Z`c`f`a`c`Y`f`h`U`b`U`S`n`m`U`g`X`Y`g`d`j`h`X`j`f`Y`M`X`g`U`F`W`Y`g`k`Y`Y`U`g`c`Y`U`a`j`b`Y`X`
 with`respect`to`features`such`as`former`distribution`and`habit.`Again`,`this`information`
 k`U`g`c`V`U`j`b`Y`X`U`f`j`Y`m`Z`c`a`h`Y`Flora`of`New`South`Wales`f`k`U`X`Y`b`%`-`S`l`%`-`E`

The`Flora`of`New`South`Wales`f`k`U`X`Y`b`%`-`S`l`%`-`E`f`Y`W`f`X`g`d`Y`M`Y`g`X`j`g`f]`V`i`h`c`b`g`j`b`h`Y`
 V`c`h`U`j`W`X`j`j`g`l`c`b`g`Y`g`U`V`j`g`Y`X`V`m`5`b`X`Y`g`c`b`f`%`(+`L`f`j`j`"%"H`Y`f`Y`j`c`b`g`i`g`Y`X`j`b`h`Y`
 U`b`U`n`g`l`g`U`Y`h`Y`Y`Z`c`f`Y`X`j`Z`f`Y`b`h`Z`c`a`h`Y`-6`F`5`f`b`h`f`j`a`6`c`j`Y`c`f`U`d`j`W`F`Y`j`c`b`U`j`g`U`j`c`b`
 c`Z`5`i`g`f`U`j`U`f`H`U`W`k`U`m`i`7`f`Y`g`g`k`Y`"%)`E`f`Y`j`c`b`g`k`j`W`U`Y`Z`c`a`U`m`f`Y`W`j`b`j`g`Y`X`U`g`
 regions`for`the`purposes`of`the`Threatened`Species`Conservation`Act`1995.`H`Y`-6`F`5`
 f`Y`j`c`b`g`k`Y`Y`b`c`h`i`g`Y`X`j`b`h`j`g`g`i`X`m`U`g`X`U`U`c`b`d`U`b`h`X`j`g`f]`V`i`h`c`b`k`j`h`b`-6`F`5`f`Y`j`c`b`g`
 U`Y`j`b`W`a`d`Y`h`H`Y`6`c`h`U`j`W`8`j`j`g`l`c`b`g`z`k`j`Y`U`f`j`Z`U`Y`j`U`f`j`U`Y`j`b`g`n`Y`I`b`Z`f`h`b`U`Y`n`z`
 X`U`U`f`Y`b`c`h`W`b`g`h`b`h`m`U`j`U`W`Y`U`h`U`b`Y`f`g`W`Y`h`c`d`Y`f`a`j`h`U`b`U`n`g`l`g`W`a`d`U`F`U`Y`h`c`h`U`h`
 c`Z`A`Y`f`Y`b`f`%`-`-`L`Z`c`f`h`Y`6`f`j`h`g`U`c`f`U`

5`b`U`b`U`n`g`l`g`c`Z`h`Y`X`j`g`f]`V`i`h`c`b`c`Z`B`U`j`c`b`U`D`U`f`_`g`U`b`X`B`U`i`f`Y`F`Y`g`f`j`Y`g`j`b`h`Y`6`c`h`U`j`W`
 8`j`j`g`l`c`b`g`c`Z`B`GK`k`U`g`U`g`c`W`b`X`i`V`M`X`"H`Y`U`F`Y`U`U`b`X`d`f`c`d`c`f`j`c`b`c`Z`Y`U`W`f`Y`j`c`b`W`j`Y`Y`X`
 V`m`B`U`j`c`b`U`D`U`f`_`g`U`b`X`B`U`i`f`Y`F`Y`g`f`j`Y`g`k`j`h`b`h`Y`6`c`h`U`j`W`8`j`j`g`l`c`b`g`k`Y`Y`
 X`Y`h`f`a`j`b`Y`X`i`g`b`j`b`Z`c`a`U`j`c`b`c`b`h`Y`U`Y`U`c`Z`Y`U`W`B`U`j`c`b`U`D`U`f`_`U`b`X`B`U`i`f`Y`F`Y`g`f`j`Y`
 f`B`GK`B`D`K`G`%`-`-`E`

G`U`h`g`j`W`U`b`U`n`g`l`g`k`U`g`a`U`j`b`m`W`f`j`Y`X`c`i`h`V`m`W`j`!`g`e`i`U`Y`X`U`b`U`n`g`Y`g`i`g`l`b`W`b`h`j`b`j`Y`b`W`i`
 H`U`V`Y`g`Z`W`a`d`U`f`j`b`j`h`Y`c`V`g`f`j`Y`X`U`h`f]`V`i`h`g`c`Z`h`Y`h`f`Y`U`h`b`Y`X`U`c`f`U`h`c`h`Y`j`U`i`Y`g`Y`d`Y`M`X`
 Z`c`a`h`c`g`Y`c`Z`h`Y`Y`b`h`f`Y`j`b`X`j`Y`b`c`i`g`U`c`f`U`c`Z`B`GK`"@`j`Y`U`f`f`Y`f`Y`g`l`c`b`g`k`Y`Y`W`b`X`i`V`M`X`
 i`g`l`b`j`h`Y`g`U`h`g`j`W`d`U`W`U`Y`A`B`F`5`6`f`%`-`%"

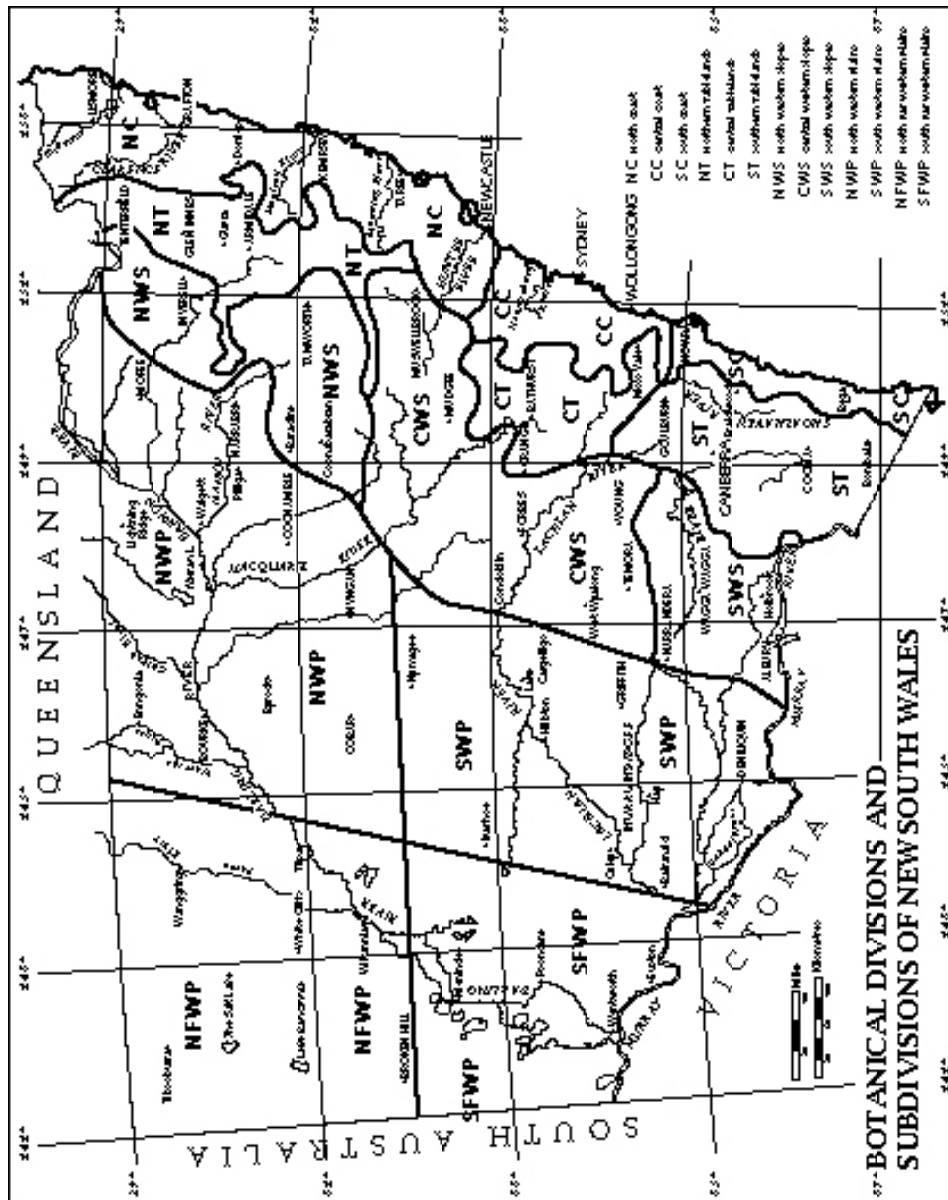


Fig. 1. Map of New South Wales showing botanical divisions and subdivisions. The map is oriented with South Australia to the left and Victoria to the right.

Results

Regional Analysis

CZ hY) & ']bX|]bci g'd'UbhIU U]b'BGK ž(' ' fl " 1 Lk YF']ghX'Ug'hfYUhbYX'Ug'cZ Bcj Ya VF' %- , " CZ hY d'Ubh gdWYg']ghX' Ug' hfYUhbYXž & *' k YF']ghX' Ug' 9bXUb| YF'UbX' % + 'Ug' Ji 'bYUVY" HAY Bcfh '7cUghXj|]gcb'cZBGK 'WbhU]bg'hY \]\]ghibi a VF'cZ]bX|]bci g'd'UbhgdWYg' fl % SLZ'Ug'k Y' 'Ug'hY \]\]ghibi a VF'cZ hfYUhbYX' d'UbhgdWYg' fl % SL'fHLVY' % " HAY 7YbfU' 7cUghXj |]gcb' Ugc' WbhU]bg' U 'Uf[Ybi a VF'cZd'UbhgdWYg'fRS- , 'hcU' k]h' - \$hfYUhbYXžk \]'Yh'Y'Gci h' K Yghf' GcdYg' WbhU]b' hY 'ck Yghibi a VF'cZ hfYUhbYX' d'UbhgdWYg' fl + ' 'hcU' k]h' % ' hfYUhbYX' " HAY a cghgf]_]b| 'UgdWYcZ h]g'UbUng]g' hY [fYUhf' bi a VYfg'cZVch' 'hcU']bX|]bci g'UbX' hfYUhbYX' d'UbhgdWYg']b' Yghf' BGK 'Wa dUFY'hc' hY'k Ygh of the state.

Table 1. The number of indigenous plant taxa in each of the Botanical Divisions in NSW, plus the area of each division. Note that a species may occur in several divisions.

Division	All species	Threatened species	Proportion of species threatened (%)	Area of Division (km ²)
SC	1577	33	2.1	11 750
CC	2098	90	4.3	16 575
NC	2510	140	5.6	55 575
ST	1646	56	3.4	40 200
CT	1698	62	3.7	21 800
NT	1560	47	3.0	26 675
SWS	773	16	2.1	28 200
CWS	1428	33	2.3	73 625
NWS	1259	25	2.0	44 381
SWP	1034	23	2.2	112 200
NWP	1326	26	2.1	148 425
SFWP	671	24	3.6	73 475
NFWP	909	31	3.4	119 480

HAY 7YbfU' 7cUgh'UbX' Bcfh' 7cUgh'Xj |]gcbg' k YF' Zi bX' hc' \] Y U g|]b]U'Wbhmi [fYUhf' bi a VF' cZ hfYUhbYX' gdWYg' h'Ub' Yl d'WYX' fl] [" &' G|]b]U'Wbhmi Zk Yf' hfYUhbYX' d'UbhgdWYg' h'Ub' Yl d'WYX' k YF' Zi bX']b' h'Y'Gci h' 7cUgh'Z'Gci h' K Yghf' GcdYg' 7YbfU' K Yghf' GcdYg' Bcfh' K Yghf' GcdYg' Gci h' K Yghf' D'U]bg' UbX' Bcfh' K Yghf' D'U]bg'

5 'a Uf_ YXmX]ZfYbhfYbX']g' Yj]Xybh]b' h'Y'X]gf]Vi]hcb'cZd'UbhgdWYg' d'fYg' a YX' Yl]b]Wff] [" &' 9ei U' bi a VYfg'cZgdWYg' d'fYg' a YX' Yl]b]WffYX']b' h'Y'Gci h' : Uf' K Yghf' D'U]bg'UbX' h'Y' Bcfh' : Uf' K Yghf' D'U]bg'Ug'Ugc' c'WffYX']b' h'Y'7YbfU' 7cUgh'

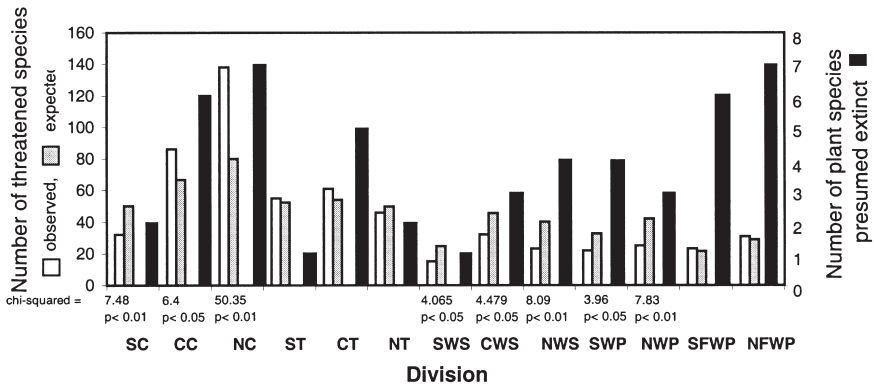


Fig. 2. H YcWffYbWcZhfYUhbYXd'UbhHU UUbXhYZfa Yf'cWffYbWcZd'UbhHU UdfYg a YX' Yl hjbWk Jh Jb B GK " : cf'hfYUhbYXd'UbhHU UZh'Yl dYMX'Xjgf'Vi hcb JgUgc'g'ck b'k Jh'hY d&j Ui YgUbXhYdlj Ui Yg'lj Yb Zf'hcgYXj Jgcbgk \JW'g'ck Ug'lj bJUbhXjZfYbWVhK Yb' hYcVgfj YX'UbX'YdYMX'cWffYbW'

UbX'hYBcfh'7cUg'i'5'Uf'Ybi a Vf'cZd'UbhgdYWg'dfYg a YX'Yl hjbWcWffYX'Jb' hYK Yg'f'Xj Jgcbgzk Jh'hY'YUg'bi a Vf'cZd'UbhgdYWg'dfYg a YX'Yl hjbW'Uj Jb' cWffYX'Jb'hY'Gci h'Yf'HLVYUbXg'UbX'Gci h'K Yg'f'GcdYg'

HfYUhbYXd'UbhgdYWg'Jb'B GK 'k YfYZi bX'hc'VY'fYgf'VWX'Jb'hY'f' [Yc'fLU'JW' Xjgf'Vi hcb'f'j ["' U"5'g'lj bJUbhmi'fYUhf'dfcdcfh'cb'cZhfYUhbYX'gdYWg'cWff'Jb' cb'mcbYXj Jgcb'hUbZf'U'gdYWg'Jb'B GK "5'h'ci [\h'fYk YfYg'a J'U'dfcdcfh'cbg' cZd'UbhgdYWg'cWff'Jb' Jb'hc'Xj Jgcbg'hYdfcdcfh'cb'cZd'UbhgdYWg'cWff'Jb' Jb'a'cfY'h'Ub'k'c'Xj Jgcbgk Ug'lj bJUbhmi'ga U'Yf'Zf'hfYUhbYXd'UbhgdYWg'h'Ub' Zf'U'h'Y'JbX'J' Ybci'gd'UbhgdYWg'Jb'B GK "

-b'Wa dUf'Jb' h'YXjgf'Vi hcb'cZhfY9bXUb' YfYX'UcfU'hc'h'UicZhfYJi' bYfUY'UcfU' fl ["' VzUg'lj bJUbhmi'Uf' Yf'dfcdcfh'cb'cZ9bXUb' YfYX'd'UbhgdYWg'k Ug'Zi bX'hc' cWff'Jb'cb'mcbYXj Jgcbzk \]YUg'lj bJUbhmi'ga U'Yf'dfcdcfh'cb'cZ9bXUb' YfYX'gdYWg'cWff'Jb'hc'Xj Jgcbg'H'fYfYUgc'ga YX'Zf'YbWg'Jb'h'YXjgf'Vi hcb'cZ 9bXUb' YfYX'UbX'Ji' bYfUY'd'UbhgdYWg'h'fci [\ci h'Y6c'U'JW'8'j Jgcbg'cZB GK " <ck Yj YfZ'hi Jg'a Jg'YU'Jb' 'hc'Wa dUf'Y'h'Y'bi a Vf'cZJi' bYfUY'UbX'9bXUb' YfYX' d'Ubh'gdYWg'cWff'Jb' Jb'YU'Xj Jgcb'g'dUfUY'nz Ug'U [fYUhf'dfcdcfh'cb'cZ Ji' bYfUY'd'UbhgdYWg'cWff'Jb'a'cfY'h'Ub'cbYXj Jgcb'f'j ["' U"

B UjcbU'DUf'g'UbX'B'Ui fYfYg'fj Yg'k Jh Jb B GK 'k YfYXjgf'Vi hX'i b'j Yb'mVhK Yb' Xj Jgcbg'f'j ["' (E'H'AY7Yb'fU'7cUg'i'Ug'h'Y'Uf' Yg'hdfcdcfh'cb'cZ]g'fYU'dfch'VWX'Jb' B UjcbU'DUf'g'UbX'B'Ui fYfYg'fj Yg'f'j Yf'()1 E'H'AY'k Yg'f'Xj Jgcbg'cZB GK '\Uj Y ga U'Yf'dfcdcfh'cbg'cZhf'Yf'fYUg'dfch'VWX'Jb' B UjcbU'DUf'g'UbX'B'Ui fYfYg'fj Yg'h'Ub' Xc'h'cg'Yb'h'Y'YUg'i'f'b'ch'Y'h'Uih'Yg'X'U'U'fY'g' V'W'hc'WUb' YUg'b'Yk'dfch'VWX'fYUg' fYfYX'W'fYX'f' : ["' (XcYg'b'ch'Jb'W'XY'b'Yk'fYUg'cZdUf'g'UbX'fYg'fj Yg'j Yf'mf'Y'W'bhmi d'f'cW'Ja YX'Jb'h'Y'YUg'icZhf'Yg'U'Y'g'U'f'Yg'hcZhf'YfY'J'cbU': cfYg'i5 [fY'Ya Yb'lg'.

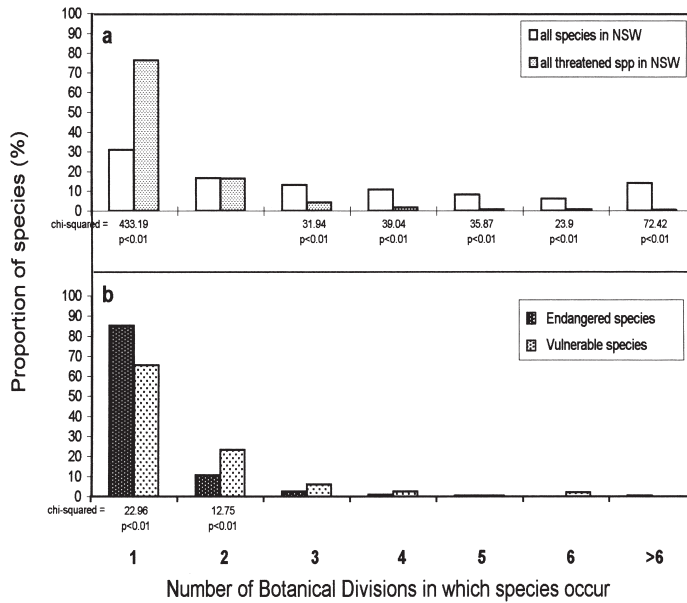


Fig. 3. H Ydfcdefh]cb`cZgdWYg`hUcWf`]b`U[]j`Yb`bi`a`Vf`cZ6cLb]W`8]j`]gcbg`Zf`fL`U`]bX]]bci`gd`Ubhg]dWYg]b`B`GK`UbXU`h`fYU`bYX`d`Ubhg]dWYg]b`B`GK`zUbX]fL`U`9bXUb]`fYX`d`Ubhg]dWYg]b`U`X`J`i`b`fYU`Y`d`Ubhg]dWYg]b`B`GK`"H`Y`d`&`j`U`i`Y`g`U`b`X`h`Y`d`!`j`U`i`Y`g`U`Y`[]j`Y`b`k` \`Y`Y`h`Y`Y`g`U`g`[]b`]U`b`h`X`Z`Z`f`Y`b`W`V`Y`k`Y`b`f`h`L`h`Y`d`f`c`d`e`f`h`j`c`b`c`Z`U` `]bX]]bci`gd`Ubhg]dWYg]b`B`GK`UbXU`h`fYU`bYX`d`Ubhg]dWYg]b`B`GK`z`f`L`h`Y`d`f`c`d`e`f`h`j`c`b`c`Z`9`b`X`U`b`]`f`Y`X`d`Ubhg]dWYg]b`U`X`J`i`b`fYU`Y`d`Ubhg]dWYg]b`B`GK`"

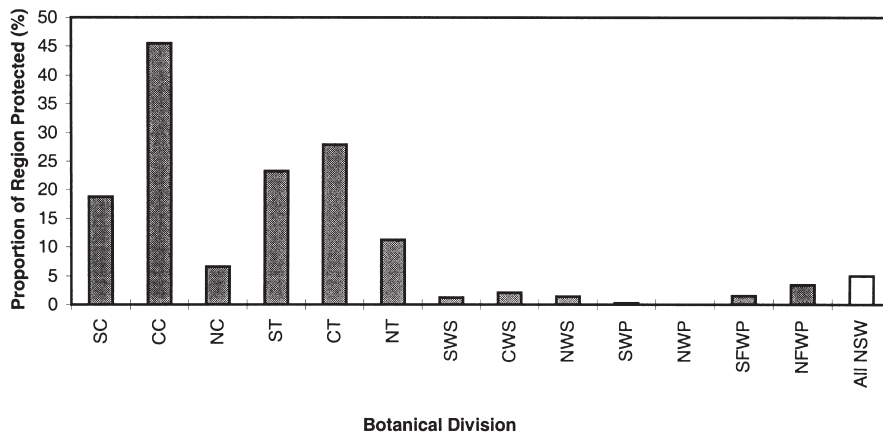


Fig. 4. H Ydfcdefh]cb`cZYUW`6cLb]W`8]j`]gcb`]b`B`GK`d`f`c`h`W`M`X`U`g`B`U`h`c`b`U`D`U`_`g`U`b`X`B`U`i`f`Y`F`Y`g`M`j`Y`g`f`f`c`a`B`DK`G`%`-`-`L`5` `g`c`g`a`c`k`b`]g`h`Y`h`U`d`f`c`d`e`f`h`j`c`b`c`Z`B`GK`k` \`J`W`]g`d`f`c`h`W`M`X`V`m`B`U`h`c`b`U`D`U`_`g`U`b`X`B`U`i`f`Y`F`Y`g`M`j`Y`g`"

Community Analysis

H YUbnjg'cZ h YXl'gf]V i hcb'cZd'UbhgdWYg]b B GK 'k]h' fYgdWm'c h YWa a i b]hmi h YmicWf']b'k Ug']a]hX'VmU' UW' cZXYU] YX']bZ'fa U]cb" H YW Wa a i b]hmi h Yg']g' hX']b' h Y: 'cfUcZB GK 'fk UXYb %- S1 %- ' LUFYZk ']b' bi a VYzUbX]h]gi bWfU]b' k \Yh Yf' h YFYk Ug' Wbgl'gh bWm VMk Yb' U h cfg'cZ X]ZfYbhgWm'cbg" =b' h YWgY' cZ gdWYg]b'k Ygm'f B GK 'bc W a a i b]hmi]bZ'fa U]cb'k Ug'dfcj]XYX']b' a Ubm]bg'U bWg' 5 Wwd]b[' h Yg']a]h]hcbg'z h Y [fYU]g' bi a VYfg' cZ h fYU]bYX' d' Ubh'gdWYg' UY Zci bX']b' gWfcd\m' 'k ccXUbXz'g' Vfcd]W' fU]bZ'fYg'z U' hmlYg' cZ gWfcd\m' 'Z'fYg'z UbX' \YU h' fi] ["] E' K \Yb' W a dU]b[' h Y cVg'fj YX' Xl'gf]V i hcb'cZ h fYU]bYX' d' Ubh' species to that expected, *Nothofagus* fU]bZ'fYg'z gWfcd\m' 'k ccXUbXz' XfmgWfcd\m' ' k ccXUbXz'k Yh' YU h'zUbXU]XncbY W a a i b]h]Yg'U' \UK'g]]b]U]bhm] fYU]f' bi a VYfg' cZ h fYU]bYX' d' Ubh'gdWYg' h'Ub' Yl dWmX' k \] Y h' a dYU]f' fU]bZ'fYg'z gk Ua d'z UbX' WU]g'U' W a a i b]h]Yg' \UK'g]]b]U]bhm]Z'k Yf'

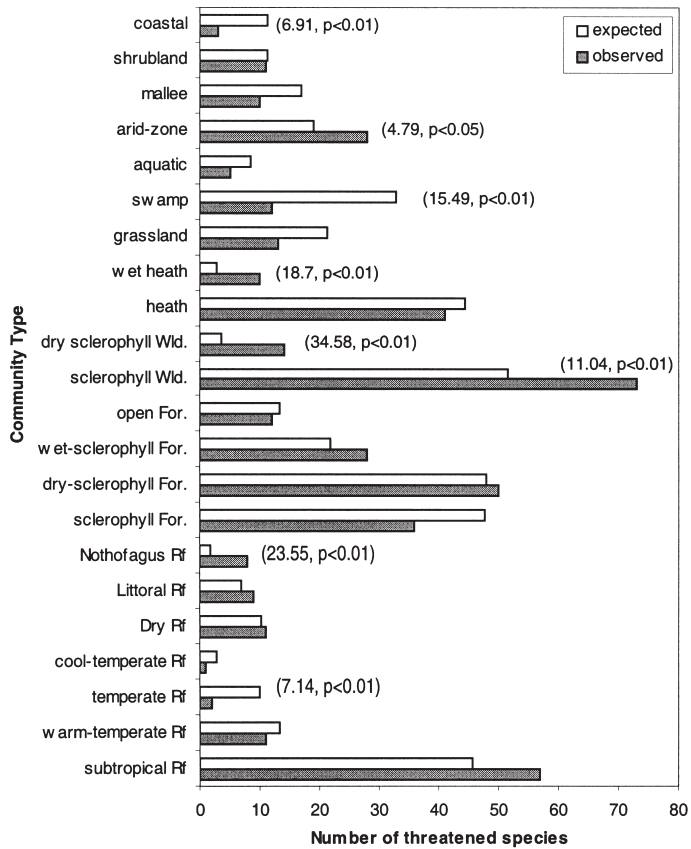


Fig. 5. H YcWf'fYbW'cZ h fYU]bYX' d' Ubh'gdWYg]b B GK ']b' X]ZfYbhYw'c[]W' W a a i b]h]Yg' i g]b[' h Yh'fa]bc'c] n'icZ' UXYb'f %- S1 %- ' Lfbc'h Y: 'cf'1 Z'fYg'z FZl fU]bZ'fYg'zK 'X'1 k ccXUbX' H Y Y dWmX' Xl'gf]V i hcb'cZ h fYU]bYX' d' Ubh'gdWYg]b fY UXYg' h' W a a i b]hmi h Yg']g' g'ck b'z k]h' the d'et]j U i Yg'UbX'd]j U i Yg'Z'f' h'cgy' W a a i b]h]Yg'k \]W' g'ck 'Ugl']b]U]bhm] X]ZfYbW' VMk Yb' h YcVg'fj YX'UbX'Yl dWmX' Xl'gf]V i hcb'cZ h fYU]bYX' d' Ubh'gdWYg'

Taxonomic Analysis

A cgh Zla]]Yg' k \]W' WbHJb' h fYUhbYX' ŪcfU dcegYgg' cb`m cbY h fYUhbYX' d`Ubh gdWYg'fl || "*"Izk]h XWYUg]b['bi a VYg'cZZla]]Yg'WbHJb]b[]bWYUg]b['bi a VYg'cZ h fYUhbYX' d`Ubh gdWYg'" -b' lchUz' (% 'cZ h Y &%) 'd`Ubh Zla]]Yg']b' B GK ' WbHJb' h fYUhbYX' d`Ubh gdWYg'" < ck Yj Yfz)' 1 'cZ h Y (' ' h fYUhbYX' d`Ubh gdWYg']b' B GK ' cWwf']b' cb`mig]l 'Zla]]Yg': UVUWUz A nfhUMUz DfchUMUz C fW]XUMUz Fi HUMUY UbX' 5 ghFUMUY fHLVY &E" G] b]ŪWbhmia cfY h fYUhbYX' d`Ubh gdWYg' h Ub' Yl dYMMX' cWwf']b' h YZla]]Yg' A nfhUMUz DfchUMUz Fi HUMUYz @La]UMUY UbX' 7 Uj Uf]bUMUY" -b' WbHfUg'z h Y 5 ghFUMUYz DcUMUY UbX' 7 n dYFUMUY WbHJb' g] b]ŪWbhm Zk Yf' h fYUhbYX' d`Ubh gdWYg' h Ub' Yl dYMMX"

H YX]gf]M hcb'cZ h fYUhbYX' d`Ubh gdWYg' Vmi[YbYfUg' ck gUgla]'U' hfYbX'lc' h UhcZ h YZla] nX]gf]M hcbzVi hUb Yj Yb[fYUhf' dfcdcf]hcb'cZ] YbYfUWbHJb]b[h fYUhbYX' d`Ubh gdWYg' dcegYgg' cb`m cbY h fYUhbYX' gdWYg' fl || "' +E" H fYUhbYX' d`Ubh gdWYg' cWwf']b' % 1 'cZ h Y % &[YbYfU]b' B GK z k \] Y & & 'cZ h Y h fYUhbYX' d`Ubh gdWYg']b' B GK ' cWwf']b' '1 ghZi f' [YbYfU f*Eucalyptus* fgYbg' 'UcEz *Acacia*, *Grevillea*, and *Zieria*) fHLVY' E' CZ h Yg'z *Eucalyptus*, *Grevillea* and *Zieria* k YfYz i bX'lc' WbHJb' g] b]ŪWbhm more threatened species than expected.

@]bYU'fY] fYgg]cb'g' ck YX' h Uih Ydfcdcf]hcb'cZ h fYUhbYX' gdWYg']b' UZla]'mk Ug'bch g] b]ŪWbhm fYUhbYX' lc' h Y g]nY cZ h YZla]'mif l] U i Y 1 'S'(\$zd' 1 'S',) E' H Y 'UW' cZU]bYUf' hfYbX' Wb' VYUhf]M hX'lc' h Y 'Uf] Yj Uf]U]hcb']b' h Y dfcdcf]hcb'cZ h fYUhbYX' gdWYg']b' h Yga U' Yf' Zla]]Yg'" -b' WbHfUg'z h Ydfcdcf]hcb'cZ h fYUhbYX' gdWYg']b' h Y 'Uf] Yf' Zla]]Yg' fYa U]bYX' Ufci bX', 1 z h Y Uj YfU Ydfcdcf]hcb'cZ h fYUhbYX' gdWYg']b' U' Zla]]Yg']b' B GK "' H YfYk Ug'Ug' bc' g] b]ŪWbhfYU]hcbg' \]d' VYk Yb' g]nY cZ] Ybi g' UbX' dfcdcf]hcb'cZ h fYUhbYX' gdWYg' fl l] U i Y 1 'S'+'\$zd' 1 'S' ('S' E'

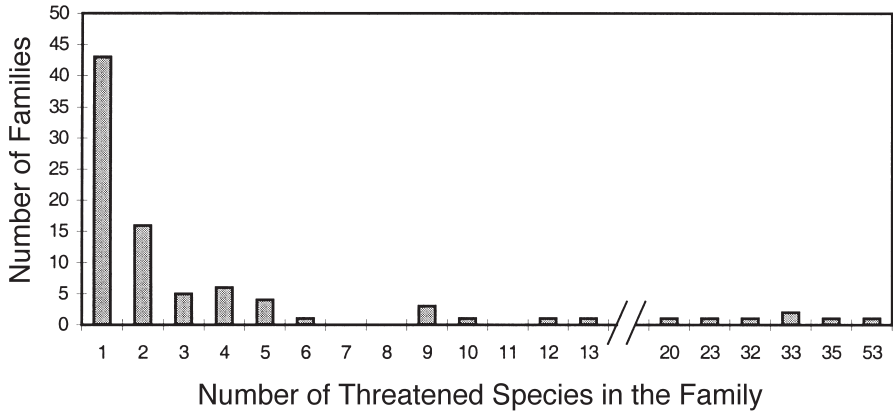


Fig. 6. H YX]gf]M hcb'cZ h fYUhbYX' d`Ubh gdWYg']b' B GK ' VmiZla]'m b' ch' h Uih Yx' l] U]g]g'bch continuous.

Table 2. The families with 5 or more threatened plant species in NSW. Also shown are the size of the family, the proportion of the family which is threatened, and whether that family has significantly more or fewer threatened plant species than expected.

FAMILY	Number of threatened species	Total number of species	Proportion of species threatened (%)	Significance	χ^2	P-value
Fabaceae	56	547	10.2	n.s.	3.168	> 0.05
Myrtaceae	53	443	12.0	sig. more	8.675	< 0.01
Proteaceae	35	181	19.3	sig. more	30.215	< 0.01
Orchidaceae	33	333	9.9	n.s.	1.255	> 0.1
Rutaceae	33	156	21.2	sig. more	35.130	< 0.01
Asteraceae	20	413	4.8	sig. fewer	6.949	< 0.01
Lamiaceae	13	86	15.1	sig. more	5.383	< 0.01
Euphorbiaceae	12	103	11.7	n.s.	1.581	> 0.1
Poaceae	10	411	2.4	sig. fewer	20.055	< 0.01
Epacridaceae	9	96	9.4	n.s.	0.157	> 0.1
Rhamnaceae	9	62	14.5	n.s.	3.247	> 0.05
Chenopodiaceae	9	180	5.0	n.s.	2.608	> 0.1
Brassicaceae	6	52	11.5	n.s.	0.747	> 0.1
Casuarinaceae	5	24	20.8	sig. more	5.036	< 0.05
Cyperaceae	5	243	2.1	sig. fewer	12.971	< 0.01
Thymeleaceae	5	45	11.1	n.s.	0.489	> 0.1

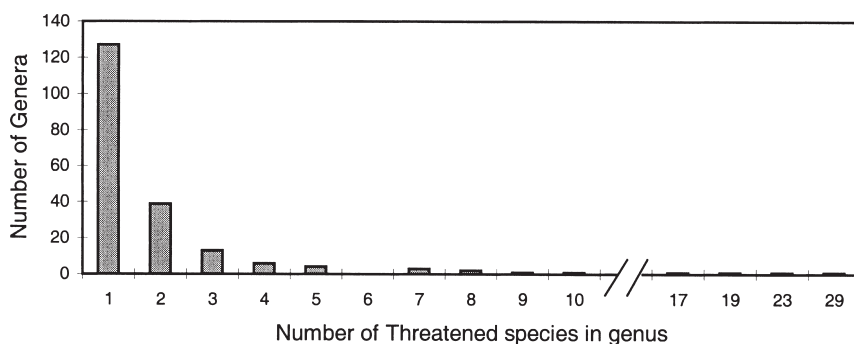


Fig. 7. H YX]gdf]M hcb'cZh fYUm bYX'd`Ubhg dW]g]b`B GK `Vm[Ybi g"B ch' h Uh Yx!U]g]g'bch continuous.

Table 3. The genera with the greatest number of threatened plant species in NSW.

	Number of threatened spp	Total number of species	Proportion of species threatened	Significance	χ^2	P-value
Eucalyptus	29	235	12.3%	sig. more	5.366	< 0.025
Acacia	23	217	10.6%	n.s.	1.609	> 0.1
Grevillea	19	53	35.8%	sig. more	53.556	< 0.01
Zieria	17	33	51.5%	sig more	81.834	< 0.01

Growth Form

H YcWffYbWcZhfYUhbYXd'UbhgdYWG'UbX'd'UbhgdYWG'dfYg a YX'Y h bW'j b' B GK z' with respect to growth form.

Discussion

Regional Analysis

7i ffYbhm'ig' h' fYUhbYXd'UbhgdYWG' j b' B GK 'UFY a U_ YX'mi fYgf'VMX' j b' h' Yf' fUb' Yk \Yb' Wa dUFY'hc U' d'UbhgdYWG' j b' B GK z'k j h' a cFYh'Ub'+)1 'cZhfYUhbYXd'UbhgdYWG' cWff' b' j b' cb'micbY' 6ch'Ub'W' 8 j j' g'cb" K j h' j b' h' Y' h' fYUhbYXd'UbhgdYWG' cfrz' 9bX'Ub' YfY'gdYWG'UFY a cFY'fYgf'VMX' j b' h' Yf' X'j'gf' j'Vi h'cb' h'Ub' J'i 'b'fUY'gdYWG' H'ni g'a c'g'ig'YWG' j' h' Y' U'g' h' fYUhbYXd'UbhgdYWG' X'j'gd' U'nh' Y'fU' j' h' m'hd' Y'g' j' X'Yb' h' U'Y' X' Vm

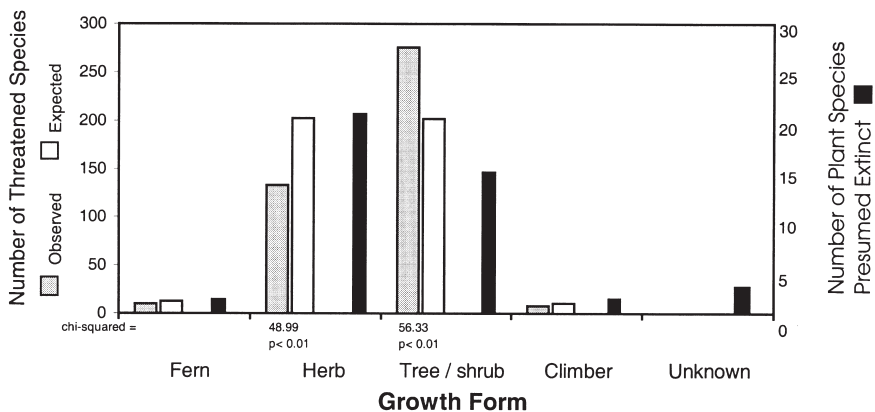


Fig. 8. H YcWffYbWcZhfYUhbYXd'UbhgdYWG'UbX'd'UbhgdYWG'dfYg a YX'Y h bW'j b' B GK z' with respect to growth form.

FUW|bck |h'f%, %E|bj c j |b| 'ga U'' | Yc[fUd\|WfUb| YgUbX'bUffck '\U|Hhg|W|U|Hnā
hnd|W' cZ'cW' YbXYa |Vg'H|g'a Un|bX|W|H|h Uh|Y|h Yf''cW' m|bXYa |Vgd|W|Vg|UfYh Y
a cgh d'fj UYbh hnd Y cZ fUfY d'Ubh UbX' h'U|h Ym|Y dYf|YbW' h Y |fYU|gh|XY| fY Y cZ
h'fYUz'cf'h.U|h YfY|g'U d'fYX|gdc|ghcb'lc''|gh|gd|W|Vg'k \ |W'g'ck 'h'Ya cghcVj |ci g'
g| bg'cZV|b| | Yc[fUd\|W' m'fYgf|W|X'cf'h'fYUhbYX'

H'YgWYXi 'Yg'cZ'h YThreatened Species Conservation Act 1995'Xc UddYU'lc VYXYU'W|bhi
|b'h Y|f''|gh|b| 'cZ|j' b'YfUVYd'Ubh|U|U|b'Wa dU|g'cb'lc'9bXUb| YfYX|U|U'A cgh|U|hg'
UbX'Wi blf|Yg''|gh|Uvci h|k |W'Ug'a Ubm|j' b'YfUVYgd|W|Vg'h'Ub'9bXUb| YfYX'gd|W|Vg'
k \ YfYU|b|B GK 'h'fYUfY' - a cfY9bXUb| YfYX'gd|W|Vg''|gh|X'h|U|j' b'YfUVYgd|W|Vg'
H'YfCH5D' |gh'Ug' S%9bXUb| YfYX'gd|W|Vg'UbX'+S, 'Ji b'YfUVYgd|W|Vg'f| 'UbX%'1
'cZ'h Y bU|cbU' j UgW'U' U'cfU fYgd|W|Vj YnL'f|f| [| g/ ' @Y| \ '% -) E' H'Y d'fcWgg' Vni
k \ |W'h Y|b|H|U'gWYXi 'Yg'cZ'h YThreatened Species Conservation Act 1995 were created
Zj ci fYX' |Xybh|U'W|hcb' cZ 9bXUb| YfYX' gd|W|Vg'z' UbX' bca |bU|cbg' glbW' h'Y
d'fcW|a U|cb'cZ'h YAct'\ Uj YbchfYX'fYgg'X'h YVU'UbW'

Cb'UfY| |cbU' VU|g'z'h YB cfh' 7cU|gh|UbX'7Yb|fU'7cU|gh|Wb|U|b| h'Ya cgh|h'fYUhbYX'
d'Ubh|gd|W|Vg'z'k \ |Y'h YGci h' K Ygh|f'b'GcdYg'Wb|U|b|gh'h YZk Ygh'5 'Uf| Yf'bi a VYf'cZ
gd|W|Vg' UbX' h'fYUhbYX' gd|W|Vg' cW|f' |b' h'Y YU|gh|f'b' X|j |g|cbg' fh'Y 7cU|gh| UbX'
HUVYUbXg'z'h Ub'cW|f' |b' h'Yk Ygh|f'b' X|j |g|cbg' fh'Yk Ygh|f'b'GcdYg'z'D|U|bg'z'UbX': U'
K Ygh|f'b' D|U|bg'z'f| | " &" HU_ |b| | |b|lc' UW|bi bh'h Y X|Z|fYbh|ghn'Y cZ YUW' X|j |g|cb' Vni
Y| Ua |b|b| 'h'YfY| |cbU' X|g|f|V| h'cb'cb' U'gd|W|Vg'dYf' UfYU'VU|g'z'h Y YU|gh|f'b' X|j |g|cbg'z'
g' W'Ug'h Y7Yb|fU'7cU|gh|UbX'h Y7Yb|fU' HUVYUbXg'z'Wb|U|b|a i W' \ | \ Yf'h'fYUhbYX'
gd|W|Vg'Xy|b|gh|Yg'h'Ub'h Yk Ygh|f'b' X|j |g|cbg'"@ bbYmYhU'"f% -+LZci bX'h Uh'h YB cfh' .
7cU|gh|fY| |cb'cZ'BGK 'Ugc' Wb|U|b|YX' h'Y \ | | \ Ygh|bi a VYf' cZ'h'fYUhbYX' j Yf'h'fYU'
gd|W|Vg'z' < ck Yj YfZ'h Yk Ygh|f'b'fY| |cb'cZ'BGK 'k U|g'Zci bX'lc' Wb|U|b| h'Y'Uf| Ygh|bi a VYf'
cZ'h'fYUhbYX' a Ua a Ug' |b' |lc'U' f|a bbYm Yh U'" % -+L UbX' h'Y 'Uf| Ygh|bi a VYf' cZ'
h'fYUhbYX'fcXy|b|g'fB |W'a Ub'YhU'" &SSSE'

Bcl'cb'mXc'h YB cfh' 7cU|gh|UbX'h Y7Yb|fU'7cU|gh|g' ddcf|h'h Ya cgh|h'fYUhbYX'd'Ubh|
gd|W|Vg'z'h YmUgc' Wb|U|b|a cfY'h'fYUhbYX'd'Ubh|gd|W|Vg'h Ub'Y| dYMMX'"=b Wb|fU|g'z'h Y
Gci h' 7cU|g'z'Gci h' K Ygh|f'b'GcdYg'z'7Yb|fU' K Ygh|f'b'GcdYg'z'B cfh' K Ygh|f'b'GcdYg'z'
Gci h' K Ygh|f'b' D|U|bg'z'UbX' h'Y B cfh' K Ygh|f'b' D|U|bg'U' Wb|U|b' g| |b|U'Wb|h|miZk Yf'
h'fYUhbYX'd'Ubh|gd|W|Vg'h'Ub'Y| dYMMX'"H'Y fYbX'Zcf'h'YfY'lc' VY|g| |b|U'Wb|h|mi a cfY'
h'Ub'Y| dYMMX'h'fYUhbYX'd'Ubh|gd|W|Vg'|b' h'Y YU|gh|f'b' X|j |g|cbg'UbX'g| |b|U'Wb|h|miZk Yf'
h'Ub'Y| dYMMX' |b' h'Yk Ygh|f'b' X|j |g|cbg' a Un|VY'Xi Y'lc' U'bi a VYf' cZ'ZM'f'g' H'YgY'
|bW'XY h'Y 'Yj Y' cZ Vc|U|W' g'i X'm Wb|Xi MMX' |b' YUW' X|j |g|cbz' h'Y glnYg' cZ'h Y
| Yc[fUd\|WfUb| Yg'cZ'gd|W|Vg'z'h Y' Yj Y' cZ'h'fYUg' d'fYg'bh|b' YUW' X|j |g|cbz' UbX' h'Y
XY| fY'cZ'Yb| |f'c|a Yb|U' \ Yh'f'c| YbY| |m|b' YUW' X|j |g|cb'

H'Y'Uf| Yf'bi a VYf'cZ'gd|W|Vg'fh'fYUhbYX'UbX'cb| h'fYUhbYX'U|b' h'Y YU|gh|f'b' X|j |g|cbg'
a Un|fYU'W|h'Y |fYU'f' Yb| |f'c|a Yb|U' W'a d'Y| |h|miUbXz' |b| | Yb'fU'z'a cfY'Zj ci fUVY'
W|a U|W|Wb|X| |h'cbg'Zcf' d'Ubh| |f'ck h' W'a d'fYX'lc' h'Y |b'UbX' H'Y YU|gh|f'b' X|j |g|cbg'
|bW'XY \U|H|h'Zca 'gYU' Yj Y'lc' \ | | \ dYU'g' f|mi5 i ghU|U|b' gh|U|fXg'z' UbX' \ | | \
fU|bZU' UbX'cW' m' \ | | \ |b| |f|Ybh|Wb|X| |h'cbg'df'c| |Xy \U|H|h'g'Zcf' gW'f'cd' m' ZcfYgh|UbX'
fU|bZcfYgh|W'a a i |b| |h'Yg'k \ |W' UfYU'g'bhZ' fh' Yf'k Ygh|f'b' X|a '%, +' H'Y U'g'Yb'W'cZU'
fYU|h'cbg' |d' W|h' Yb' h'Y gln'Y'cZ'h YfY| |cbU' U'cfU'UbX'fY| |cbU' UfYU'f| | | "- E|g' ddcf|g'
h'Y \nd|ch' Yg|g'h'U| \U|H|h'X|j Yf|g|h| |g' |a dcf|h|b| |b' X|Y'h'f'a |b|b| 'dU'h'f'bg'cZ'gd|W|Vg'

f]WbYgg"HAY\[\`gdWYg]f]WbYgg'cZhYGCi h`7cUghUbX'7YbfU`7cUghXj]glcbg]b`
UbU]cbU`Wbhl hk UgYa d`UjgYX'Vm? Y]hZA]`Yg'UbXA UWYbn]Yf% - E'

K \ `Y Ybj]fcb a YbHU`ZUMfg'a UmY d`Uj b`h Y X]gf]Vi Hcb`cZgdWYg]f]WbYgg`ck`
a][\`h h Y[fYUHF`dfcdcf]cb`cZ h fYUhbYX'RU U]b`h Y YUghicZ h Y gHU'VY d`Uj bYX3
CbYdcgg]VY d`UbU]cb]lg'h Uh h YF]gU[fYUHF`XY fY`cZ h fYUhfYU`cf`dYFW]j YX
]b`h Y YUghicZ h Y gHU'6ch`h Y B cfh`UbX'7YbfU`7cUgh`Uj Y Y dY]YbWX]g] b]UWbh
]a dUMg`glbW`9i fcdYb`g'hYa Ybh`HAY`7YbfU`7cUgh`ZUMg`Wb]bi YX`dfYgg`fY
Ugg`WUH'k]h`h Y[fck`h`cZ h Y[fYUHF`GnXbYmia Yfcdc`]Hb`fYUk` \ `]Y h Y B cfh`
7cUgh`ck`UbXg`k YF Y] h b]g] Y mWUfYX`Z f`U] f]W`h fY`UbX`ZUW`Wb]bi YX`dfYgg`fY
Zca`WUgU`Xy Ycda Yb]`< ck`y`fZ h YX]j]glcbgk` \]W` \ Uj YVYb`a`cgh Y h b]g] Y m
UZUMX`Vm`i a Ub`UbX`i gY`fY h Y`U`UHF`fYUg`cZ h YK`Yghf`GcdYg`UbX`h Y`Ughf`
dcf]cb`cZ h YK`Yghf`D`Ujbg`fY`b`g`b`% - %M'6Yb`g`b`f`% - %MfY]`fX`g`h`Ya`Ucf`h`fYUg`
h`d`Ub]h`g`dY`W]g]b`B`GK`Ug`[`fU]b]`UbX`W`cdd]b]`zk` \]W`fY`df]a`U]`m`Wf]YX`ci`h]b`
h`Ya`]X`k`Yghf`W`cdd]b]`E`UbX`h`Y`Z`f`k`Yghf`fU]b]`E`cZ`h`Y`g`HU'

HAY`B`GK`k` \ `U`h`VY`h`c`W`d]Yg`U`d`f`c]`]a`U`Y`m`&&)`i`c`Z`h`Y`g`HU`f`C]j`Y`f`g`b`% - (E`
f`h`Y`K`Yghf`G`cd`Y`g`Ub`X`h`Y`K`Yghf`D`Uj`b`g`E`c`Z`k` \]W`f`c]`[` \ `m`S`i` \ `U`g`V`Y`b`W`U`f`Y`X`c`Z`
b`U]j`Y`j`Y`]`U`h`c`b`f`b]`c`X]j`Y`f`g]`h`m`I`b]`h`% -)E`H`]`g`W`U`f]b]`a`Um`V`Y`f`U`W`M`X`]b`h`Y`
b`i`a`V`f`c`Z`d`U`b`h`g`d`W`Y`g`d`f`Y`g`a`Y`X`Y`]`h`b`W`i`Z`ca`h`Y`K`Yghf`G`cd`Y`g`Ub`X`D`Uj`b`g`
G]j`Y`f`g`b`f`% - (E`g`ck`Y`X`h`U`h`g]`b]`U`W`b`h`Y`Y`g`c`Z`W`U`f]b]`c`Z`b`U]j`Y`j`Y`]`U`h`c`b`]`g`
W`b]`b]i`b]`]`h`c`W`U`f]b]`h`Y`k` \ `U`h`V`Y`h`c`Z`B`G`k`z`a`U]b]U]b]b]`U`Y`Y`c`Z`h`f`Y`U`h`c`h`Y`
f`Ya`U]b]b]`b`U]j`Y`U`c`f`U'

HAY`K`Yghf`D`Uj`b`g`c`Z`B`G`k` \ `U`j`Y`V`Y`b`[`f`U`h`X`Y`]`h`b]g]`Y`m`g]b`W`h`Y`%'`S`g`f`b`Y`b`g`b`
% - %M'6Yb`g`b`f`% , - E`f`d`c`f`h`X`h`U`h]`f`U]b]` \ `U`g`U`Z`U`M`X`a`c`f`Y`h`U`b`*`S`i`c`Z`B`G`k`z`U`b`X`
 \ `U`g`f`Y`g`i`h`X`]b`a`U`c`f`f`Y`X`W`]`c`b`g]b]`h`Y`U`m`b`X`U`b`W`c`Z`d`U`b`h`g`d`W`Y`g`U`b`X` \ `U`g`V`Y`b`
]a`d`]W`M`X`]b`U`b`i`a`V`f`c`Z`Y`]`h`b`W`]`c`b`g]";`f`U]b]`a`Um`h`Y`f`Z`c`f`Y` \ `U`j`Y`W`b]f]V`i`h`X`h`c`h`Y`
f`Y`U`h]j`Y`m`i` \ `]`b`i`a`V`f`c`Z`d`U`b`h`g`d`W`Y`g`d`f`Y`g`a`Y`X`Y`]`h`b`W`i]b`h`Y`U`f`K`Yghf`D`Uj`b`g`
f`Y`]`c`b`z`U`b`X`U`g`h`Y`c`b`g`Y`h`c`Z`[`f`U]b]`]`d`f`Y`W`X`X`Z` ``V`c`H`b]W`X`c`W`a`Y`b`H]j`c`b`z`U`b`i`a`V`f`
c`Z`g`d`W`Y`g`a`Um` \ `U`j`Y`V`Y`b`a`Y`]`h`b`W`k`]h`c`i`h`Y`f` \ `U`j`b]`V`Y`b`f`Y`W`f`X`X`'

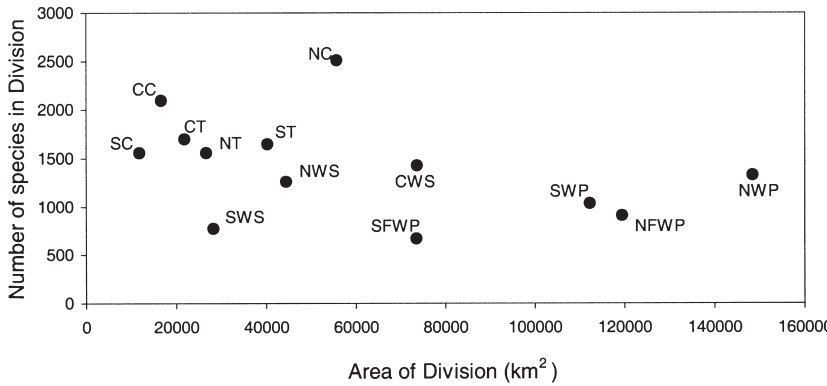


Fig. 9. HAYfYU]cbg]jd`Vf`k`Yb`h`Y`g`h`Y`c`Z`Y`U`W`X]j]glcb`UbX`h`Y`b`i`a`V`f`c`Z`g`d`W`Y`g`

g ddcflg`h Y`UbX]b[g`cZ@Y][\ `UbX`6f][[g`f%- &Lk`c`Ugc`g`ck YX`h`Uk ccX`UbX`
 Wa a i b]hYg`WbH]bYX`h`Y`Uf[Ygibi a VYf`cZYbXUb[YFX`d`UbhgdYVWg]b`B`GK`"H`lg`
 dfYj`U`bVW`cZ`h`fYUhbYX`d`UbhgdYVWg]b`k`ccX`UbX`Wa a i b]hYg`a`Unigla`d`mifYU`W`
 h`Y`Uf[Y`fYU`cZ`B`GK`cf][]bU`m`Wj`YFX`V`nk`ccX`UbX`j`Y`YH]cb`"A`cghk`ccX`UbX`b`
 B`GK` \ `Ug`VYb`Y]h`Y`W`U`F`YX`cf`a`cX]UYX`i`bXY`9i`fedYU`b`g`Yh`Ya`Yb]f`f`Y][\ `Yh`U`"
 %, (E`K` \ `Y`Y`h`Y`i`bXY`g`c`f`m`c`Z`k`ccX`UbX`]g`Wa`dcg`YX`cZ` \ `Y`V`g`UbX`[fUggYg`g`Yd`
 UbX`W`h`Y` \ `U`Y`V`Y`b`U`c`k`YX`lc`[fU`h`y`z`c`Z`h`b`d`f`Y`j`Y`b]b[`h`Y`f`Y`[Y`b`Y`U`h`c`b`c`Z`k`ccX`UbX`
 d`UbhgdYVWg]"5`h`f`b`U`h`j`Y`n`k`ccX`UbX` \ `U`g`V`Y`b`W`U`F`Y`X`lc`U`c`k`Z`c`f`a`c`f`Y`j`[]c`f`c`i`g`
 [f`c`k`h`c`Z`b`U`h`j`Y`[fUggYg`c`f`h`Y`Y`g`U`V`]g`a`Y`b`h`c`Z`W`c`d`g`UbX`]a`d`f`c`j`YX`d`U`h`i`f`Y`":`c`f`
 V`c`h`h`Y`j`Y`h`M`F`U`h`Z`i`b`U`]b[Y`b`Y`U`UbX`f`c`X`Y`b`l`g]b`d`U`h`W`U`f`z`k`ccX`UbX`U`g`g`d`d`c`f`l`g`
 h`Y`[f`Y`U`h`g`i`b`i`a`V`Y`f`c`Z`h`f`Y`U`h`b`Y`X`g`d`Y`V`W`g`f`e`i`b`b`Y`m`Y`h`U`"%`-`+`z`8`]W`a`U`b`Y`h`U`" &SSSE"

G`V`f`c`d`]W`f`U`b`z`f`Y`g`h`k`U`g`h`Y`W`a`a`i`b`]m`k`]h`h`Y`b`Y`h`U`f`[Y`g`i`b`i`a`V`Y`f`c`Z`h`f`Y`U`h`b`Y`X`
 d`UbhgdYVWg`z`UbX`]Z`U`f`U`b`z`f`Y`g`h`m`d`Y`g`k`Y`Y`[f`c`i`d`Y`X`lc`[Y`h`Y`f`h`Y`b`f`U`b`z`f`Y`g`h`k`c`i`X`
 \ `U`j`Y`h`Y`U`f`[Y`g`i`b`i`a`V`Y`f`c`Z`h`f`Y`U`h`b`Y`X`d`UbhgdYVWg]"H`lg`U`f`Y`Y`g`k`]h`h`Y`UbX]b[g`c`Z`
 @Y][\ `UbX`6f][[g`f%- &Z`UbX`h`Y`W`a`a`c`b`m`i`Y`X`j`]k`h`U`h`f`U`b`z`f`Y`g`g`d`c`g`Y`g` \] \ `Y`
 g`d`Y`V`W`g`X`j`Y`f`g`h`m`U`b`X`a`U`b`m`h`f`Y`U`h`b`Y`X`g`d`Y`V`W`g`"F`U`b`z`f`Y`g`h`k`]g`f`]m`i`h`c`b`]g`j`Y`f`m`
 Z`U`a`Y`b`h`X`]b`Y`g`h`f`b`B`GK`f`b`X`L`a`%,`+`z`UbX`a`U`b`m`f`U`b`z`f`Y`g`h`k`]g`d`Y`V`W`g` \ `U`j`Y`j`Y`f`m`
 f`Y`g`f`]W`X`X`]g`f`]m`i`h`c`b`g`"F`U`b`z`f`Y`g`g`]b`B`GK` \ `U`j`Y`V`Y`b`g`f`]c`i`g`m`X`Y`d`Y`h`X`g`b`W`
 9i`fedYU`b`g`Y`h`Ya`Y`b`z`UbX`W`b]b`i`Y`lc`Z`U`W`g`[b]U`W`b`h`h`f`Y`U`g`"5`d`d`f`c`l`]a`U`h`Y`m`+`i`c`Z`
 f`U`b`z`f`Y`g`h`k`]b`B`GK` \ `U`g`V`Y`b`W`U`F`Y`X`c`f`X`]g`i`f`V`Y`X`V`m`c`[]]b[]g`b`W`9i`fedYU`b`g`Y`h`Ya`Y`b`z`
 `Y`j`]b[`c`b`m`g`a`U`f`Y`a`b`U`b`g`c`Z`]f`[]b`N`g`V`f`c`d`]W`f`U`b`z`f`Y`g`h`k`]b`b`c`f`h`Y`b`B`GK`f`i`c`n`X`
 %`-`S`E`"5`X`L`a`f`f%,`+`E`Y`g`h`a`U`h`X`h`U`h` \ `U`Z`c`Z`h`Y`&`\$`S`S`S` \ `U`c`Z`f`U`b`z`f`Y`g`h`i`f`Y`a`U`b]b[]`b`
 B`GK`]g`]b`g`a`Y`k`U`n`X`Y`[f`U`Y`X`"

6`c`h`k`Y`h`U`b`X`U`b`X`W`U`g`U`W`a`a`i`b`]h`Y`g`W`b`H]b`g`[b]U`W`b`h`m`Z`k`Y`f`h`f`Y`U`h`b`Y`X`g`d`Y`V`W`g`
 h`U`b`Y`l`d`Y`W`X`Z`X`Y`g`d`]h`h`Y`g`Y`W`a`a`i`b`]h`Y`g`g`c`k`]b[`g`d`U`h`U`m`i`X`]g`i`b`W`X`]g`f`]m`i`h`c`b`g`z`
 V`Y`]b[`g`V`Y`W`l`c`g`[b]U`W`b`h`h`f`Y`U`g`z`UbX`V`Y`]b[`f`Y`U`F`Y`X`U`g`c`Z`] \ `W`b`g`f`j`U`h`c`b`j`U`i`Y`"
 H`Y`f`Y`]g`U`c`k`X`Y`f`Y`c`Z`c`W`Y`b`X`Y`a`]g`a`]b`V`c`h`k`Y`h`U`b`X`U`b`X`W`U`g`U`W`a`a`i`b`]h`Y`g`z`UbX`
 a`U`b`m`g`d`Y`V`W`g` \ `U`j`Y`j`Y`f`m`k`]X`Y`[Y`c`[f`U`d`]W`f`U`b`]Y`g`"e`i`]g`]a`d`c`f`l`b`h`i`c`f`Y`W`[]b`g`Y`h`U`h`
 k` \]Y`W`b`g`X`Y`f`U`h`c`b`c`Z`h`f`Y`U`h`b`Y`X`g`d`Y`V`W`g`]g`b`Y`W`g`g`U`f`]m`i`U`]a`d`c`f`l`b`h`i`W`a`d`c`b`Y`b`h`c`Z`
 W`b`g`f`j`U`h`c`b`j`U`i`Y`f`k` \]W`a`U`h`g`h`g`h`h`Y`W`]h`f`]U`Z`c`f`]g`h`b[`U`g`9`b`X`L`b[Y`Y`X`9`W`c`[]W`
 7`c`a`a`i`b`]h`Y`g`L`b`Y`X`b`c`h`b`Y`W`g`g`U`f`]m`d`f`c`j`]X`Y` \ `U`]h`U`h`Z`c`f`h`f`Y`U`h`b`Y`X`g`d`Y`V`W`g`"H`Y`
 k`]X`Y`g`f`Y`U`X`X`]g`f`]m`i`h`c`b`Z`g`d`Y`V`W`g`]b` \ `U`]h`U`g`g`W`U`g`k`Y`h`U`b`X`g`X`c`Y`g`z`c`k`Y`j`Y`z`Y`U`X`lc`
 W`a`d`U`W`b`W`i`U`g`lc`h`Y`f`g`h`i`g`z`UbX`X`Y`W`b`Y`g`a`U`n`Y`Y`i`b`X`Y`f`Y`W`f`X`X`"

Taxonomic Analysis

A`c`g`h`Z`a`]`]Y`g`UbX`[Y`b`Y`U`k` \]W`W`b`H]b`h`f`Y`U`h`b`Y`X`H`U`U`d`c`g`Y`g`g`c`b`m`i`c`b`Y`c`f`h`k`c`
 h`f`Y`U`h`b`Y`X`d`UbhgdYVWg`<`c`k`Y`j`Y`z`h`Y`Y`U`Y`g`g`Y`f`U`H`U`c`b`c`a`]W`f`c`i`d`g`k` \]W`W`b`H]b`
 U`U`f`[Y`d`f`c`d`c`f`]h`c`b`c`Z`h`Y`h`f`Y`U`h`b`Y`X`U`c`f`U`H`Y`g`[Y`b`Y`U`b`X`Z`a`]`]Y`g`k`Y`f`Y`b`c`h`U`m`i`h`Y`
 `U`f`[Y`f`c`b`Y`g`z`UbX`g`Y`j`Y`f`U`c`Z`h`Y`U`f`[Y`f`[Y`b`Y`U`#`Z`a`]`]Y`g`W`b`H]b`g`[b]U`W`b`h`m`i`a`c`f`Y`
 h`f`Y`U`h`b`Y`X`d`UbhgdYVWg`h`U`b`Y`l`d`Y`W`X`"C`Z`h`Y`g`z`h`Y`Z`a`]`]Y`g`D`f`c`h`U`M`U`Y`U`b`X`F`i`H`U`M`Y`
 and the genera *Zieria* and *Grevillea* W`b`H]b`Y`X`a`U`_`Y`X`m` \] \ `d`f`c`d`c`f`]h`c`b`g`c`Z`h`f`Y`U`h`b`Y`X`
 d`UbhgdYVWg`"Zieria`]g`U`b`]b`h`Y`g`h`b`[W`g`Y`U`g`a`U`b`m`i`c`Z`h`Y`H`U`U`W`b`c`k`Y`X`]Y`X`lc`Y`Y`
 h`f`Y`U`h`b`Y`X` \ `U`j`Y`n`h`i`c`V`Y`Z`c`a`U`m`X`Y`g`]V`Y`X`"b`V`c`h`Zieria`and`Grevillea`many`of`the`

h.fYUhbYX`HU UUFY`cW`YbXYa]Wz`g [[Yg]b[`h.UhfYgf]MXX`X]gf]M hcb`a UmVYU
a Ucf`h.fYUzcf`Wbhf]M h`lc` UdYFwd]hcb`cZ`h.fYU`

-h k]` ` g fdf]g` a Umi Vch]b]gg` h.Ui`h.Y`bi a VYf`cZ`h.fYUhbYX`gdY]Wg`]b`h.Y`
CfW]XUMY]g`bch]g] b]U`Wb]hmi] fYUhf`h.Ub`Y]dY]MXX`5`UF`Ydfcdcf]hcb`cZcfW]Xg`
[fck`]b`j`YfmgdY]U`W]U]H]g`g`W`Ug`cb`dUf]W`Uf`fcW`hndYg`cf`Ug`Yd]d`n]Yg`cb`
dUf]W`Uf`hY`gdY]Wg`CfW]Xg`Ugc`fYei]fY`h.Y`dfYgYbW`cZ`gdY]U`WZ`b]`Zcf`
g`W]gZ`[`Yfa]b]hcb`UbX`Yg]U]g`a`Yb]`<`ck`Yj`YfZ`h.Y`Wa`a`cb`bchcb`h.UicfW]Xg`UFY`
]bb]U`mfUFY`a`Ung]a`d`mfYU`W]h`Yj`]k`g`cZ`h.Y`Uf]`Ybi`a`Vf`cZcfW]X`Yb]h`i`g]U]g`"

5`g]fYUW]Z`Dc`UW]Y`UbX`7`nd]fYUW]Y`UFY`h`fY`Uf]`Y`Z`La`]`Y]g`]b`k` \W`fYU]j`YmiZk`
gdY]Wg` \U`Y`VYb`fYW`[`b]g`X`Ug`h`fYUhbYX`H`Yg`Y`Z`La`]`Y]g`UFY`Uf]`Y`m`Y`fVU`Wci`g`UbX`
UFY`fY]`UFXX`Ug`D`X]Z`U`h`N`mia`Umi`U`Y`X`Vch]b]gg`5`WfX]b]`n`zi`b`XYf]fYWfX]b]`UbX`
`U`cZ`XU`a`Um]Wb]f]M`h`lc`h`Y`Udd`UFY`b]d`U`V]mic`Z`h`fYUhbYX`[`fUg]g`XU]g]Yg`UbX`
g`X]`Yg`-`b`U`g]i`Xnic`Z`h.Y`h`fYUhbYX`UcfU`cZ`h.Y`7`UdY`D]b]bg`U`]b`Cci`h`5`Z]WZ`
Hf]b]Xf]Ga`]h`YhiU`f%`-`*E`U`gc`Zci`b`X`h`U`h`Y`Dfch]UW]U`k`YfY`cj`Yf]fYdfYgYb]h`X`UbX`
h.Y`5`g]fYUW]Y`i`b`XYf]fYdfYgYb]h`X`H`Ymi`fY`U`h`X`h`lg`lc`h`h.Y`X]Z]fYb]h`X]fY`cZ`
YbXYa`]g`]b`h`Y`Z`La`]`Y]g`z`k`]h`h`Y`Dfch]UW]U` \U`]b]`U`]` \`X]fY`cZ`YbXYa`]g`UbX`
a`cfY`h`fYUhbYX`gdY]Wg`@cW`YbXYa`]g`]gbch]UZ`U`i`fYcZ5`g]fYUW]Y`]b`B`GK`z`g`h`lg`
a`Um]Ugc`Wb]f]M`h`lc`]h]dcgg]Ygg]b]`U`ck`dfcdcf]hcb`cZ`h.fYUhbYX`gdY]Wg`-`b`h`Y`
a`U]b`UbX`i`b]h`X`G]H]g` \ck`Yj`YfZ`h.Y`5`g]fYUW]Y`Wb]U]bg`U`j`Yfmi`Uf]`Y`bi`a`Vf`cZ`
h.fYUhbYX`gdY]Wg`fA`cfY`%-`*E`"

Growth Form Analysis

H`Ya`cgh]bch]k`cf]h`mZ`U`i`fYcZ`h.Y`[`fck`h`Z`cfa`Ub`Ung]g`k`Ug`h`Y`cj`Yf]fYdfYgYb]h]hcb`
cZ`h`fYg`#`g`fi`Vg`]b`h`Y`h`fYUhbYX`UcfU`UbX`h`Y`i`b`X]f]fYdfYgYb]h]hcb`cZ` \`Y`fVU`Wci`g`
gdY]Wg`5`b`]a`dcf]h]b]h]X]Z]fYb]W`V]h`k`Yb`h`Yg`Y`k`c`[`fck`h`Z`cfa`g`]g`h`Y`U]`]miZcf`
 \`Y`fVU`Wci`g`gdY]Wg`lc`fYUW` \`]` \`Yf`X]b]g]h]Yg`cZ`]b]X]j`]Xi`Ug`Wa`dUFY`lc`g`fi`Vg`cf`
h`fYg`8`Yg]]h`h`]g`z`h`Ya`cfY`d`U`U`U`Y`d`Ub]g`f]`["`h`Y` \`Y`fVg]U`Y` \`Y`n]k` \`U`j`Yg`Z]fYX`
h`Ya`cgh]X]a`U`Y`Z`cfa`U]m]j`]h]Yg`g`W`Ug`Uf]`Y]g]W]Y`[`f]h]b]`["`H`Y`Uf]`Yf`bi`a`Vf`cZ`
 \`Y`fVU`Wci`g`gdY]Wg`dfYg`a`Y`X`Y]`h]b]W]f]S]L`Wa`dUFY`lc`h`fYg`cf`g`fi`Vg`f%`L`h]b]Xg`lc`
g`d`dcf]h]h]g` \`n]d]ch`Yg]g`<`ck`Yj`YfZ` \`Y`fVU`Wci`g`gdY]Wg`h]b]X`lc`VY`i`b`X]f]fYWfX]Y`z`g`
h`U`i`ck`cj`Y`U`fYdfYgYb]h]hcb`cZ` \`Y`fVg`U`a`cb]`g]h`fYUhbYX`gdY]Wg`a`Um]fYU`W]i`
]b]UX]Ye]U`h`Xc`W`a`Yb]h]hcb`f]U]g`k`Ug`g`[[Yg]h`X`Vmi`A`Wb]h]fYf%`-`&L`Zcf`B`cf]h`Yfb`B`GK`E`z`
k` \`]`Y`U`bi`a`Vf`cZ`h.Y`Udd`UFY`b]h]m]Y]h]b]W` \`Y`fVg`a`Ung]a`d`m` \`U`j`Ybch]VYb`fY`Zci`b`X`"

Conclusions

6ch`h`Y`Flora`of`New`South`Wales`UbX`h`Y`GWYXi`Yg`cZ`h`Y`Threatened`Species`
Conservation`Act`1995`UFY`k`cf`_g`]b`dfc]`fYgg`g`h`Y`g]U]g]W]g`fYdcf]h`X`]b`h`lg`dUdYf`
g`ci`X`bch]VY`fY]UFXX`Ug`Ugc`i`h`H`Y`_bck`b`Wa`dcg]hcb`cZ`h.Y`UcfU]g`_Y`n]k`
W]Ub]`Y`a`cfY`g`ck`m]h`Ub`h`Y`GWYXi`Yg`cZ`h`Y`Act`Z`U`h`ci`[` \`U`i`h]lg`g]U`Y`]b`ci`f`
_bck`Y`X]`Yzb]k`m`X]g]W]VYX`H]U`k`]`a`cgh`_Y`m]VY`fY`fY`UbX`h`YfZcfY`Wb]X]X]U]g`Zcf`
fYW`[`b]h]cb`Ug`VY]b]`h`fYUhbYX`Ci`f`_bck`Y`X]`Y`cZ`h`Y`X]g]f]M`hcb`cZ`H]U`a`dfcj`Yg`
k`]h`W`W]m]cb`UbX`g`fj`Yn]g`h`U`h`Y`X]g]f]M`hcb`U`XU`fY`Wf`X]X`]b`h`Y`UcfU]g`VY]b]`
Wb]h]bi`U`mi`dX]h`X`7`Ub]`Yg`lc`h`Y`GWYXi`Yg`cZ`h`Y`Act`k`]`VY`]a`]h`X`Vmi`h`Y`

Uj Uj'UM]ImicZXUUG ZVMbhfZcf h YB GK 'GMbhfUW ca a]hY'lc'a U_YUb UgYgga Yblz and the nomination process.

9U'ni Yl dYf]YbW' k]h' bca]bUjcbg' \Ug' VYb' h'Uhi h'Yni fY]bZcfW' h'Y Yl]gh]b[' X]gf]M Hcb' dUHMfBg'z k]h' Uj Yfmigfcb[' dfYXca]bUbW' cZbca]bUjcbg' V]b['Zca ' YUgMb' B GK ž UbX' dUf]W'U' m'h Y 7YbFU' UbX' B cfh' 7cUg'g fB]W'a Ub' %- +E' H'Y g' WggZ ' bca]bUjcbg' gUhgZni h' Y W]h]U' cZ h' Y Actžgc' h'Uhi Y' Yb']b' fY[]cbg' k \]W' UfYU'ni \ Uj Y U \] [\ ' dfcdcf]cb' cZ h' fYU'nbYX' HU Ū a cfY UY' gh' V]b[' UXXX' < ck Yj Yfz]h]g' bch' WU' U'g' n'Yhik \ Yh' Yf' h' Y fYU'j YmiZk ' UXX]hcbg' Zca ' k YgicZ h' Y 8]j]XY' UY' U' hfi Y fYU'W]cb' cZ h' Y X]gf]M Hcb' cZ h' fYU'nbYX' HU Ū cf' cZ h' Y Wb'Wb'fU'jcb' cZbca]bYg']b' h' Y 7YbFU' UbX' B cfh' 7cUg'g' H' Y dfcdcf]cb' cZ h' Y Ū cf' U k \]W']g' h' fYU'nbYX' Z' WffYb' h' mib' YU' m-1 ž]g' Ub']bX]W]hcb' cZ h' Y a U]b]i XY' cZ h' Y Wb'g'fj Ujcb' WU' Yb[Y Z]M]b[' B GK ' H'Y]bX]W]hcb' Zca ' h' Y bi a VY' cZ g' WggZ ' bca]bUjcbg' Zcf' UXX]hcb' h' c' h' Y GWYXi ' Yg']g' h' Uhi h' Y W]h]U' dfcdcf]cb' cZ h' fYU'nbYX' d' U'bhgdY' W]g']b' B GK ' k] ' VY' a i W' \] [\ Y' =Z h' Y Ū cf' U' cZ B GK ']g' gla]U' f' h' c' g' Y cZ ch' Yf' g' U'hg' UbX' Wi' b]f]Yg' h' Yb' Uj Yfmig' Vg']b]U']b' W]U'g' Y]b' h' Y bi a VY' cZ J i ' b' Y U' Y g' dY' W]g' k ci ' X' VY' Y dY' W]X' fBf] []g' / '@Y] [\ %-) ž; fcca V]X] Y %- (E'

H'Y X]gf]M Hcb' cZ h' Y h' fYU'nbYX' Ū cf' U' cZ B GK ' g' ck g' gla]U' f]H'Yg' h' c' h' Uhi cZ h' Y h' fYU'nbYX' j Yf]h' W'U'Y' Zi bU' f' b' b' Ymi Y' i U' " %- +Ez k]h' ' Vch' h' fYU'nbYX' d' U'bi UbX' j Yf]h' W'U'Y' g' dY' W]g' c' W'ff]b[']b' h' Y f' [fYU'gh' bi a VY'g']b' h' Y b' c' f' h' Y Ū g' z' UbX']b' k ccX' UbX' Wa a i b]]h' Yg' 5 X' Yei U' h' W'bg'fj Ujcb' fYg'fj Yg']b' h' Yg' YU' Yg' Wi' X' h' YfZ' fY U' m' h' c' d' f' c' h' W' U' f] Y' bi a VY' g' c' Z' Vch' h' fYU'nbYX' Ū cf' U' UbX' Zi bU' < ck Yj Yfz X]Z' fYb' W'g']b' fY[]cbU' X]gf]M Hcb' k Yf' Y' b' c' h' X' VY' k Yb' h' Y h' fYU'nbYX' Ū cf' U' UbX' g' V] fci d' g' c' Z h' Y j Yf]h' W'U'Y' Zi bU' z' k]h' ' a cfY h' fYU'nbYX' a Ua a Ug' f' b' X' Ua cb[g' i a Ua a Ug' z' h' Y f' c' X' b] h' g' c' W'ff]b[]b' h' Yk YgicZ h' Yg' U'Y' H' Y U' f] Yf' bi a VY' c' Z' d' f' Yg' a YX' Y]b' W' h' U' U]b' h' Yk YgicZ h' Yg' U'Y']g' U'g' c' d' U' U' Y' YX' Ua cb[ghj Yf]h' W'U'Y'g'

-h]g']a d' c' f' h' U' b' h' c' b' c' h' U' h' h']g' g' i XmiXYU'g' c' b' m' k]h' ' h' Yj U' g' W' U' f' d' U' b' h' g' c' Z B GK ' -bZ' fa Ujcb' c' b' h' Y W' h' d' h' c' [Ua] W' Ū cf' U']g' Yf' m']a]h' X' U' b' X' Z' U' g' n' Y' z' b' c' b' c' b' l] U' g' W' U' f' d' U' b' h' g' dY' W]g' \ U' g' VY' b' ']g' h' X']b' h' YG' WYXi ' Yg' c' Z h' Y *Threatened Species Conservation Act 1995* fU' h' ci [\ ' Ub' 9' b' X' U' b] YfYX' 9' W' c' [] W' 7' ca a i b]]h' m' X' U' b' YX' VmiZ' b[] \ U' g' VY' b' ']g' h' X' " H']g']g' i b'] Ym' h' c' f' Yd' f' Yg' b' h' h' YX' YfY' c' Z h' fYU' h' c' W' h' d' h' c' [Ua g' z' Vi h']h]g'] Ym' h' c' VY W' b' g' X' Y' U' Y' h' a Y VY' Z' f' Y X' U' U' U' d' d' f' c' d' f] U' Y' h' c' U' g' Y' g' h' Y b' c' b' l] U' g' W' U' f' Ū cf' U' U' Y' Uj U' U' Y'

Ci f' U' b' U' ng']g' k U' g']a]h' X' Vmi h' Y Uj U' U' M] ImicZXU' U' H' g']b[' Z' c' f' YU' jcbg']dg' V' m' k Yb' h' fYU' h' g' U' Li g' UbX' YW' c' [] W' U' h' f] M] h' g' c' Z h' Y Ū cf' U' a] [\ h' d' Yfa]h' V' h' M' d' f' YX] W]cb' c' Z W' h' M' c' f] Yg' c' Z g' dY' W]g' U' h' f] g' " 9' W' c' [] W' U' h' f] M] h' g' k \] W' k ci ' X' VY']b' h' Yg']b[' h' c' Yl Ua]bY']bW' XY' d' c' g' h' U' f' Y' fY[Yb' YU' jcb' g' f' U' M] n' z' V' fYX']b[' g' n' g' h' a ž d' c']]bUjcb' a YW' U' b] g' a g' z' g' YX' U' b' _ X' m' Ua] W' z' a n' W' f'] n' U' g' U' i g' U' b' X' g' c'] ' d' f' YZ' f' Yb' W' g' " 5' a cfY X' YU' YX' Wa a i b]]h' m' W' g' g' U' W]hcb' UbX' a cfY W' b' g' g' h' b' h' fY' W' f] X] b[' c' Z Wa a i b]]h' m']bZ' fa Ujcb' k ci ' X' U' g' c' d' Yfa]h' a cfY X' YU' YX' U' b' U' ng' g'

Acknowledgements

K Yh Ub_ 'a Ya Vfg'cZh YB GK 'G'Wbh'UW'ca a JhYz8'f'8 Uj JX' ? Yjh UbX'h YfYZfYyg' Zcf'h Yf'Wa a Yb'g'cb Ub'YU' JY'f'j Yfg'cb'cZh Ya Ubi gW'dh'?' UFY' A c_ Ubn'h Ub_g'h Y' : UW'hmcZ@JY'G'WbWg'I B GK z'zcf'h YUk UFX'cZUj UW'hcb'gWc'Ufg'ld"

References

5 XLa zD'f'6, +L.New South Wales rainforests: nomination for the world heritage list 'fB GK 'B U'cbU' DUF_g/ K]X'JZ'Gfj]W. 'Gn'XbYnl'

5 XLa zDz5i 'XzH8'6Ybgcbz8 'z7U]b| "'Dz8]W'a Ub"'7"z: 'Ya]b| "'A 'z; i bb|b| "'F'z< i hW|b| g'z DZLbXG\JYXg'z'f'6 - +LH YB Yk 'Cci h K UYg'H fYUhbYXGdYWYg7 cbgYfj U'cb'5 W'f'Australian Planner" (f'L'8S(I'8S+)

5 bXYfg'cbz'F"< "f'6 (+L.The trees of New South Wales'fB GK ; cj Yfba YbhDf|b'hf. 'Gn'XbYnl'

5 i 'XzH8'f'6 - S'LFY' YbYU'cb']b'dc'di 'U'cbg'cZh YU'f'X'ncbYd' Ubl'g'Acacia carnei and A. oswaldii. Proceedings of the Ecological Society of Australia %'. 'z' +i' &+&

6 Ybg'cbz'>'f'6, - L9g'UV'g']b| 'df|cf|]h'Yg'Zcf'h YWb'g'fj U'cb'cZfUY'cf'h fYUhbYX'd' Ubl'g'UbX'd' Ubi Ugg'V'U'cbg']b' B Yk 'Cci h K UYg' 'Dd"'%I, &]b. The conservation of threatened species and their habitats f'X'g'<]W'g'zA "'UbX'9]g'fzD'f'5 i g'fU]Ub'7ca a]h'Y'-' 7B. 'Gn'XbYnl'

6 Ybg'cbz'>'f'6 - %L'6YU' hZ 'Vi hj U]g']b| 'U'cfU'Geo' % f'L) 'i' %'

6 Ybg'cbz'>'f'6 - %L'H Y'Z'W'icZ'8S's'n'U'fg'cZ'9i fcdYU' b'g'h'Ya Ybh'cb'h Y'j Y']h'U'cb' UbX'U'cf'U'cZ B Yk 'Cci h K UYg' Cunninghamia'8f'L. ('I) S%

6 Ybg'cbz'>'f'6 - -L.Setting the scene: The native vegetation of New South Wales, Background paper 1 fB U'hj Y'J'Y']h'U'cb'5 X'j]g'f'm'7ci bW'cZB GK E'

6]cX]j Y'f'g'l'm'f b|h'f'6 -)L'Native Vegetation Clearance, Habitat Loss and Biodiversity Decline. Biodiversity Series, Paper No 6'f'7ca a cbk YU'h Di V'g']b| 'G'f'j]W. '7UbV'f'f'U'

6 cn'z'?' 'f'6, - L'D'Ubl'g']b' b'Y'X'cZdfch'W'cb"'National Parks Journal ' ' f'L '8&I' & "

6 f| [g'z'>'8" UbX' @Y| \z'> " f'6 -)L'Rare or threatened Australian Plants' f'7G'F'C 'Di V'g']b| . '7c']b| k ccX'

6 i fV]X']zB 'H'f'6 *S'L'H Y'd\ n'hc| Yc| fUd\ m'icZ'h Y'5 i g'fU]Ub'f'Y]cb. Australian Journal of Botany , .+) I'8&8'

6 i f'f'ck g'z: "f'6 - , L'F'CH'5 D'g']b' h'Y'G'ci h K Y'g'h'G'cdY'g'cZB GK "Danthonia *f'L %S'I' %S' 7U'c']bz'F'7"/ 'H]bXU'Y'ZA "f'6 - ' L'Flora of the Sydney region'f'f'Y'X'6cc_g 'Gn'XbYnl'

7 f'cd'd'Y'z'7" 'f'6 - ' L'Management of endangered plants'f'7G'F'C 'Di V'g']b| . 9U'g'hiA Y'V'ci f'b'Y'

7 i bb|b| \Ua z: 'A 'A i \Ua z'K '9'ZA]'h'c'f'd'Y'z'D'@' / @Y| \z'>: "f'6, %L'Plants of western New South Wales'fB GK ; cj Yfba YbhDf|b'h|b| 'C'Z'U'W. 'Gn'XbYnl'

8]W'a Ubz'7'F"'f'6 - +L'H Y'bc'a]b'U'cb'd'f'c'W'gg'cZ'h Y'H fYUhbYX'GdYWYg7 cbgYfj U'cb'5 W'f' -b. ' K YW'z'< "f'X") On the brink. Your bush, their habitat, our Act. Is the Threatened Species Conservation Act working?'Dd"'%I'8' f'B U'i f'Y'7cbg'Y'fj U'cb'7'ci bW'cZB GK . 'Gn'XbYnl'

8]W'a Ubz'7'F'z'@i bb'Y'z'8'z' / 'A U'h Yk g'z'5 "f'8S'S'L'9W'c']W' U'h]V'i h'g'UbX'Wb'g'Y'fj U'cb'cZb'U'hj Y' f'cX'Y'bl'g']b' B Yk 'Cci h K UYg' Wildlife Research' &+." (+I') "

9 b]]f'c'ba Y'bh'D'f'ch'W'cb' 5 i h'c'f']m'i B GK 'f'6 -)L'New South Wales State of the Environment f'8D'5 'B GK . 'Gn'XbYnl'

: 'cn'z'5"; "f'6 - S'L' Australian rainforests of New South Wales, Vol. 1' f'G' f'f'Y'm'i'6YU'm'i / 'C'gbg' 'Gn'XbYnl'

;]d|bz'A '9"/ 'Cci 'Y'ZA '9"'f'6, *EA]b|a i a 'j]UV'Y'dc'di 'U'cbg' 'd'f'c'W'gg'c'Z'g'd'Y'W'g'Y']h'b'W'cb"' -b. Conservation Biology'f'X' 'Cci 'Y'ZA '9'f'f'G']b'U' Y'f'5 g'g'W'Di V. G' b'X'Y' 'UbX'

; f'cca V'f'X']z'6" 'f'6 - (L'Biodiversity Data Sourcebook'f'k'c'f'X'7cbg'Y'fj U'cb'D'f'Y'gg' '7Ua V'f'X']Y' < U'f'X'Y'bz; 'K "'f'6 - S'z' % - %z' % - %z' % - ' L'Flora of New South Wales'f'f'c"'%z' &' / '(L'f' B GK 'D'f'Y'gg' 'Gn'XbYnl'

>U'W'g'z'G'K "z'UbX'D]W'U'f'z'>" 'f'6, %L'Plants of NSW: a census of the cycads, conifers and angiosperms fB GK ; cj Yfba YbhDf|b'h|b| 'C'Z'U'W. 'Gn'XbYnl'

? Y]h'z'8'5" 'f'6 - , L'5b'y'j U'i U'cb'UbX'a c'X]U'W'h'cb'cZ'K'c'f'X'7cbg'Y'fj U'cb'I b]cb'f'Y'X' @]g'h'z'f' W'gg'U'W'h'cb'cZ'Y']h'b'W'cb'f'g']b'j U'g'W'U'f'd' Ubl'g' Conservation Biology' %&' %S+ 'i' %S' -S'

? Y]h'z'8'5'z'A]'Y'g'z'> / 'A U'W'Y'bn]z'6'8" 'f'6 - -L'Vascular flora of the South East Forests region, Eden, New South Wales. Cunninghamia *f'f'L' %I'8' &I' %'

@Y[\z>Z6cXYbZf"UbX6f|[[gž>"f%, (LExtinct and endangered plants of Australia fA UWA]`Ub DfYgg`
 A YVci fbYf`
 @Y[\z>" / '6f|[[gž>8 "f% - <hreatened Australian plants: overview and case studies`fBi gfu]Ub`
 BDK G`7UbVffUE`
 @ bbYn8`z7i fhbz5"@z:]g\Yfz8"z5mfz8"/`8]Wa Ubz7`F"f% - +L9W`c[]W`Uhf]Vi hgczhY
 hfYUhbYX`Zi bUCzB Yk`Gci h`K UYg`Pacific Conservation Biology`. %İ &"
 A WbmfYzG`f% - &LF]g`g Ugg`WUHX`k]h`h Yg`Hj]b[`cZWbgfj Ujcb`df]cf]h]yg`Zca`fUYd`Ubi
 gdYVWg`]gg`Biological Conservation`*S` "%İ` +"
 A YffYbzD`f% - -LBritain's rare flowers`fDengYf.`@cbXcbE`
 A -B`+5`6`f% - %LA`-B`+5`6`FYZfYbWA`Ubi U`FYUgy,`fA]b]HV`-b`WGHU`7c`Y`YD5E`
 A cfgž`@9`"f% - *LD`UbiFU]`lm]UbX`YbXUb[`Yfa`Ybh`]b`B`cfh`5a`Yf]W`-b.`Restoring diversity.
 Strategies for reintroduction of endangered plants`fxXg: U`_z8`5`za`]`U`7`=" / `C`bY`za`Lifg`UbX`
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 A i]fz>"f% - SE9bXUb[`YfYX`gdYVWgİ` `h`Y`Wm`gYg`-b.`Australia's endangered wildlife (ed. Hermes,
 B`Lif7`X`5`gg`WUhg`B`GK`E`
 B`GK`B`UjcbU`DU`g`/`K`]X`Z`Gfj`]W`f% - -L`Guide to NSW National Parks`fB`GK`B`DK`G`
 <`i`fgj`]`Yf`
 DfYggYnF`@`"f% - SE7`YU]b[`U`b`X`Wbgfj`Ujcb`]b`h`Y`K`Ygm`b`8`j`]gcb`National Parks Journal,
 8`Wa`Vf.`%İ`&`"
 FU]bck`]hž`8`"f%,`%E`Gj`Yb`Z`fa`g`cZfU]`hni`-b.`The biological aspects of rare plant conservation
 fxX`Gnb[`Yz<`Edd`"&S`İ`&+`fk`]`Yni`Gcbg`7`WYg]ME`
 Gj`Yfg]bž8`"f% - (LH`YbUj`Yj`Y`YUjcb`W]gg]b`h`Yk`Y`U`h`V`Y`h`c`Z`B`GK`"Search`&`f%L`.)`İ`,`
 Ga`]h`ž>"f% - +L`G`]bb]b[`W]gž`di`Hj]b[`h[`Yfg`]b`h`b`g`UbX`V]b[`]b[`i`d`VU`m`U`W]`hei`Y`c`Z`h`Y`
 H`f`Y`U`h`b`Y`X`G`d`Y`V`W`g`7`cb`g`f`j`Ujcb`5`W`%`-)`fB`GK`E`Environmental and Planning Law Journal,
 :`YV`.%İ`'`'"`
 H`U`W`k`U`n`F`"/`7`f`Y`gg`k`Y`ž>8`"fX`g`L`f%`-)`L`An Interim Biogeographic Regionalisation for Australia:
 A framework for establishing the national system of reserves, Version 4.0`fBi`gfu]Ub`B`U`i`fY`
 7`cb`g`f`j`Ujcb`5`[`Yb`Wn`7`Ub`V`f`f`U`E`
 H]bXf]Ga`]h`žH`<`z7ck`]b[`žF`A`"/`@]bXfz<`D`f% - *LD`fc`U`]b[`U`V`g`Y`Y`X`U`cf`U`Y`b`X`Y`a`]W`b`X`
 h`f`Y`U`h`b`Y`X`d`U`b`lg`c`Z`h`Y`7`U`d`Y`D`Y`b]g`U`ž`G`ci`h`5`Z`f]W`Biodiversity and Conservation`.)`+`İ`
),`-`"