

A CHECK-LIST OF SUBALPINE AND ALPINE PLANT SPECIES FOUND IN THE KOSCIUSKO REGION OF NEW SOUTH WALES

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ABSTRACT

Thompson, Joy (National Herbarium of New South Wales, Royal Botanic Gardens, Sydney, Australia 2000) and Gray, Max (Herbarium Australiense, CSIRO, P.O. Box 1600, Canberra City, Australia 2601) 1981. A check-list of subalpine and alpine plant species found in the Kosciusko region of New South Wales. Telopea 2(3): 299-346, map. — The paper consists of a list of Pteridophyta, Gymnospermae and Angiospermae together with locality data (and a map — inside back cover) of species found growing above 1500 m alt. on the far Southern Tablelands of New South Wales. An index to families appears on p.345. (Plant Systematics: Plant Distribution.)

In assembling this list the authors for the most part have worked independently. Both of us have had considerable field and herbarium experience of the flora of this area and have ourselves collected almost all of the taxa listed. We hope that a published list showing the present state of our knowledge may be of assistance to other workers interested in high-altitude plants. We are comforted that our opinions are so much in accord, but would like to point out that the flora (both native and adventive) of this area is still in need of study and will indeed receive further study both from us and, we hope, from other taxonomists interested in Southern Hemisphere high-mountain groups. Botanical notes appropriate to some of these groups are given in Thompson (1981), and are not repeated here.

We have chosen to limit the area treated to that part of the Kosciusko region bounded on the north by Happy Jacks Plain (36°02' S.) and on the south by Bobs Ridge (36°35' S.), beyond which few collections have been made. The other boundaries are formed naturally by the lower limit of the subalpine zone. This lower limit is usually the 1500 m altitude contour line, though the Happy Jacks Plain itself is somewhat below this. Being a cold-air drainage area, Happy Jacks Plain is floristically subalpine. The area we have chosen to deal with is a natural biogeographical area, though further refinement of the boundaries with closer study may exclude or include marginal species.

The list is based on the herbarium collections of the National Herbarium of New South Wales, the Herbarium Australiense, the John Ray Herbarium, Sydney University, and the herbaria of the Canberra Botanic Gardens (now known as the National Botanic Gardens), the Australian National University, the University of New South Wales, and the Kosciusko National Park at Waste Point, and some collections from the New South Wales Soil Conservation Service at Cooma. We are most grateful to the curators of those collections for access to them. This locality list, therefore, covers most of the collections made in the Kosciusko region to the present time.

Since many of the earlier collections do not bear precise information, these are not included when adequate well-documented collections are available. Also, as most collectors have tended to collect at the same few localities, we have eliminated duplications. This practice has tended to make some species appear wrongly to be poorly represented in herbaria, but perhaps gives more realistic geographical information. We have also omitted a few specimens whose correct identity is in doubt and many which represent examples of hybridization or introgression. The occurrence of these intermediate specimens is recorded in Thompson (1981). We have cited altitudes and distances in metric units, though the conversion of approximations obviously compounds error. The localities in the list are already intrinsically full of approximation and error but we have resisted the temptation to correct inconsistency so as not to give a spurious accuracy, and for the most part have adopted the spelling of localities used by collectors on the specimen labels.

Collectors have had to rely on the information available to them at the time of their collecting. Unfortunately, correct altitudes have not always been available, and some early collections from Happy Jacks Plain have underestimated altitudes. The standard maps and the road signs have altered over the years, not only in the spelling but also in the application of names. For some years the creek rising at Perisher Gap, now known as Guthries Creek, bore the sign "Betts Creek" and no doubt collectors labelled the specimens they gathered at this convenient stop accordingly. In another well-collected area, what is now considered to be the Upper Snowy River, southwest of the Summit road, was mapped as Merritts Creek and collectors using those maps would have so labelled their specimens, viz. Merritts Creek, near N. Ramshead.

It is well known that the names of Mt Kosciusko, Mt Townsend and Muellers Peak have not been used consistently for the peaks at present bearing those names, but it is unlikely that this confusion involves any of the specimens cited here as Mt Townsend or Muellers Peak. Many of those cited as "Mt Kosciusko" will, of course, involve other peaks in the general area. Munyang Mountains, or Munyang Range, was once applied to the whole area but now Munyang Range is restricted to a small part in the north; Betts Camp has been demolished but there were two places, some distance apart, with this name; there is a Boggy Plain outside this region so that there is some doubt concerning specimens from this locality included here; some of the huts have changed their names and/or disappeared and some localities bear a variety of names, e.g. Diggers Creek, 1500 m, Diggers Creek Lake, Kosciusko Hotel (site), Sponars Lakeside Inn. Ski-tows and chair-lifts have come and gone, settlements have come and expanded and Guthega Dam has covered a river junction. Several localities, e.g. Bullrock Mountain and Scrubby Range, have not been pin-pointed, but can be estimated accurately enough for those specimens to be placed in the rough N.-S. order in which all are cited.

In spite of these weaknesses we think the locality list of value, for the species are not of random distribution over the area. Some are obviously restricted to a particular segment, while others, though widespread, are more frequent in some areas. We hope this list will stimulate investigation of the patterns appearing. Common plants, especially adventives (marked with an asterisk) are, as is so often the case, often not well represented in collections. Conversely many species which are rare and restricted in their range are well-represented in collections. We have not included planted species, such as willows, though these are well established in some areas, or the isolated fruit trees which have occasionally established themselves in subalpine areas but which are unlikely to reproduce. Also omitted are the specimens of hybrid origin common especially in *Luzula*, *Ranunculus*, *Acaena*, *Oreomyrrhis* and *Craspedia*.

The families of the list are in the order, based on the modified Engler and Prantl system and, for Pteridophytes, that of Crabbe, Jermy & Mickel (1975), currently used by the National Herbarium of New South Wales, but the species within each family are in alphabetical order. The species names used in this list for the most part follow 'Plants of New South Wales' (Jacobs & Piekard 1981). Where this usage differs from that in 'Kosciusko Alpine Flora' (Costin et al. 1979), this has been indicated in the text. The second author does not agree with the altered usage in all cases. The map, based on the Australia 1:100,000 Topographic Survey, gives most of the cited localities.

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CHECK LIST

PTERIDOPHYTA

LYCOPODIACEAE

Lycopodium Australianum (Herter) Allan (*Huperzia selago* (L.) Bernh. ex Schrank et Mart.: Costin et al., 1979:113).

Schlink Pass, 1768 m; Snowy R. below Guthega Dam, 1550 m; Guthega R., 1600 m; Blue Cow, 1930 m; Twynam N. cirque; near Smiggin Holes; Snowy R., below Spencers Creek, 1620 m; junction of Spencers Creek & Snowy R., 1630 m; Blue Lake; S. of Hedley Tarn, 1860 m; Spencers Creek, 1768 m; S. of Mt. Stilwell, 2000 m; Mt Kosciusko, 1981 m; Merritts Creek, 1585 m.

L. fastigiatum R. Br.

Boobee Hut, Happy Jacks Plain; O'Keefes Hut, Grey Mare track; Upper Tooma headwater, 1585 m; Schlink Pass, 1768 m; below Guthega Trig., 1800 m; Daners Gap, 1675 m; Diggers Creek Reservoir, 1640 m; base of Mt Piper, 1680 m; N. slope of Blue Cow, 1890 m; Blue Cow Creek, 1615 m; Piper Creek bridge near Smiggin Holes; Blue Lake track; slopes above Club Lake Creek; Lake Albina; head of Spencers Creek, 1768 m; Kangaroo Range, 1890 m; W. of Seamans Hut; Etheridge Range, 2012 m, 2136 m; Mt Kosciusko below summit; Lake Cootapatamba; Ramshead Range, E. of Merritts Spur, 1920 m.

ISOETACEAE

Isoetes muelleri A. Br.

Betts Creek, c. 1750 m.

OPHIOGLOSSACEAE

Ophioglossum lusitanicum L. ssp. *coriaceum* (A. Cunn.) Clausen
Happy Jacks Plain.

HYMENOPHYLLACEAE

Hymenophyllum peltatum (Poir.) Desv.

Thredbo R. Gorge, 1615 m; Ramshead Range, 1524 m; Snowy Mtns.

GRAMMITIDACEAE

Grammitis armstrongii Tindale

Blue Lake; ridge W. of Blue Lake, 2000 m; Club Lake, 2000 m; Muellers Ridge above Lake Albina, 2115 m; S. slope of Mt Guthrie, 1840 m; Charlotte Pass, 1830 m; Mt Kosciusko, 2136 m; Thredbo R. Gorge, 1585 m; Dredbo R. 1980 m; Scrubby Range.

ASPLENIACEAE

Asplenium flabellifolium Cav.

5 km NNE. of Rennex Gap; Guthega R., 1600 m; Mt Piper, 1760 m; Blue Cow Creek, 1620 m; Blue Lake; S. spur of Perisher, 1890 m; Lake Albina; Etheridge Bluff above Seamans Hut.

Cystopteris fragilis (L.) Bernh. *sens. lat.*

Mt Jagungal, 2029 m; Blue Lake; Bullrock Mtn; Thredbo R. Gorge, 1585 m.

Polystichum proliferum (R. Br.) Presl

Rainbow Creek, Happy Jacks; Blue Cow Creek, 1615 m; Pretty Point; Lower Twynam cirque; near Spencers Creek, between Adams Hut & Snowy R.; S. spur of Perisher, 1890 m; Mt Townsend, 1981 m; between Muellers Peak & Mt Townsend, 2080 m; Mt Kosciusko, 1980 m, treeline to 2200 m; Wrights Creek, 1829 m; Ramshead Range, E. of Merritts Spur, 1920 m.

BLECHNACEAE

Blechnum penna-marina (Poir.) Kuhn

Boobee Hut, Happy Jacks Plain; Schlink Pass, 1768 m; Blue Cow Creek, 1615 m; between Mt Piper & Baek Perisher, 1676 m; Snowy R., below Spencers Creek, 1630 m; Blue Lake; Charlotte Pass-Blue Lake track, 1829-1890 m; S. spur of Perisher, 1829 m; Mt Townsend, 1981 m; near Betts Creek; between Charlotte Pass & Snowy R., 1768 m; SE. slope of Guthrie, 1768 m; Wrights Creek, 1829 m; Mt Kosciusko summit; Merritts Creek, 1970 m.

GYMNOSPERMAE

PODOCARPACEAE

Podocarpus lawrencei Hook. f.

Boobee Hut, Happy Jacks Plain; Jagungal, 1981 m; slopes of Gungartan, 2000 m; Mt Dickie Cooper Bogong, 2042 m; Pretty Point; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Charlottes Pass to Blue Lake track, 1829-1890 m; Lower Spencers Creek, 1730 m; Lee-Northcote slopes, 1070-2135 m; Moiras Flat, Townsend-Geehi track; Mt Guthrie; [Kosciusko] Chalet; Charlotte Pass to Mt Stilwell; Snowy R. bridge below Seamans Hut; Etheridge Ridge above Seamans Hut; Mt Kosciusko summit; Merritts Creek, 1950 m; Thredbo R.

ANGIOSPERMAE†

MONOCOTYLEDONEAE

POTAMOGETONACEAE

Potamogeton ochreatus Raoul

Diggers Creek Reservoir, 1640 m.

POACEAE

Agropyron scabrum (Labill.) Beauv.

Happy Jacks Plain; Hotel Kosciusko; Rennix Gap; Snowy R. valley; junction of Daners & Pipers Creeks, 1575 m; Daners Gap; Pipers Creek valley, 1560 m; Mt Piper, 1760 m; NW. of Diggers Creek Reservoir, 1650 m; Perisher Creek, 1554 m; Smiggin Holes to Munyang road; Mt Kosciusko, up to 1675 m.

A. velutinum Nees

Near Happy Jacks Creek; McKeahnies Creek catchment, Happy Jacks Plain; Mt Jagungal, 1829 m; Grey Mare Hut, 1676 m; Mt Tate; Wragges Creek; Pipers Creek valley, 1590 m; between Blue Lake & Snowy R.; Spencers Creek, 1722 m, 1730 m; Charlotte Pass, 1890 m; Betts Camp; Snowy R. bridge below Seamans Hut, 1932 m; Upper Merritts Creek, 1800 m.

Agrostis aemula R. Br.

Daners Gap; Diggers Creek Reservoir, 1640 m; Upper Little Diggers Creek, 1720 m; above Guthega Dam, 1600 m.

A. australiensis Mez

McKeahnies Creek catchment, Happy Jack Plain; Pipers Creek valley, 1560 m; summit, Mt Piper, 1760 m; Perisher Creek, 1600 m; Smiggin Holes; Prussian Creek, 1640 m, 1707 m; Mt Kosciusko, 1500-1900 m, 1675 m; junction of Spencers Creek & Snowy R., 1630 m; Spencers Creek, 1750 m; Lake Albina; Betts Creek.

† An asterisk * beside a name denotes an introduced species.

- **A. capillaris* L.
McKeahnies Creek catchment, Happy Jack Plain; Schlink Pass to Diekie Cooper Creek; Whites R. aqueduct; Daners Gap; Daners Gap to Wragges Creek, 1620 m; Pipers Creek valley, 1580 m; above Guthega Dam, 1600 m; between Smiggin Holes & Guthega; Soil Conservation Hut, N. of Carruthers Peak, 1950 m; Perisher Valley, 1707 m; NE. below Mt Northcote, 1900 m; Charlottes Pass, 1800 m; Betts Creek, 1777 m; near Snowy R. bridge below Seamans Hut, 1935 m; Mt Kosciuszko, 2134 m; Boogong Creek, near Dead Horse Gap, 1560 m.
- A. sp.* (aff. *hiemalis* (Walt.) N.L. Britton et al. *sens. lat.*)
Above Brooks Hut, Happy Jacks Plain; Hotel, Mt Kosciuszko; Diggers Creek valley; Mt Kosciuszko.
- A. meionectes* Vickery
800 m S. of Gungartan Trig.; near Rennix Gap; Thompsons Plain, 1760 m; Prussian Creek, 1737 m; NW. of Blue Lake, 1890 m; Carruthers Peak, 1935 m; Hedley Tarn, 1860 m; Lake Albina; Mt Clarke; Etheridge Range; near Seamans Hut; Lake Cootapatamba, 2073 m.
- A. muellerana* Vickery
Big Jagungal, 2042 m; near summit, Gungartan, 2065 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Guthega Trig., 1860 m; Pretty Point; Mt Twynam, 2135 m; below Carruthers Peak; Club Lake, 1890 m; Mt Lee-Mt Northcote feldmark, 2050 m; Northcote Pass feldmark; Mt Kosciuszko, 1830 m; head of Spencers Creek, 2073 m; Kangaroo Range, 1860 m; Mt Stilwell, 2050 m; Snowy R. below crossing below Seamans Hut, 1950 m; Mt Kosciuszko, treeline to 2200 m; Mt Kosciuszko summit, 2225 m; near Lake Cootapatamba; Ramshead Range, E. of Merritts Spur. 1920 m; Thredbo R. Gorge, 1707 m.
- A. parviflora* R. Br.
Track to Diggers Creek Reservoir, 1660 m; above Guthega Dam, 1600 m; Prussian Creek, 1640 m; junction of Spencers Creek & Snowy R., 1630 m; creek W. of the Perisher, 1850 m; Mt Kosciuszko, 1830 m; Kangaroo Range, c. 2.4 km above Charlotte Pass, 1890 m; Boogong Creek, near Dead Horse Gap, 1560 m; Big Boggy, near Dead Horse Gap, 1550 m.
- **A. stolonifera* L.
Kangaroo Range, 1890 m.
- A. venusta* Trin.
Big Jagungal, 2042 m; summit, Gungartan, 2000 m; 0.4 km S. of Gungartan Trig. between Guthega Trig. & Consett Stephen Pass, 1940 m; Mt Piper, 1760 m; above Guthega Dam, 1600 m; Pretty Point, 1676 m; junction of Spencers Creek & Snowy R., 1630 m; Hedley Tarn, 1860 m; Spencers Creek, 1720 m; Mt Kosciuszko, 1830 m.
- A. sp.* (Forms of this taxon with small anthers have been included in *A. parviflora* R. Br. in Costin et al., 1979: 124.)
Gungartan, 2000 m, 2065 m; Rennix Gap; junction of Daners & Pipers Creeks, 1575 m; Pretty Point, 1676 m; Prussian Creek, 1640 m, 1707 m; 1.5 km from Snowy R. on Blue Lake-Carruthers track; Hedley Tarn, 1860 m; SW. of Hedley Tarn, 1840 m; Spencers Creek, 1700 m; Upper Betts Creek, 1760 m; S. slope of Muellers Peak; near Mt Kosciuszko, along Snowy R.; Mt Kosciuszko; Thredbo R. Gorge, 1707 m; Big Boggy, near Dead Horse Gap, 1550 m; Snowy Mtns.
- **Aira caryophyllea* L.
Daners Gap.
- **Anthoxanthum odoratum* L.
Hotel Kosciuszko, 1554 m; Daners Gap, 1676 m; junction of Daners & Pipers Creeks, 1575 m; Betts Camp.

- **Arrhenatherum elatius* (L.) Beauv. ex J. & C. Presl *sens. lat.*
Near Boobee Hut, Happy Jacks Plain; Prussian Creek, 1640 m.
- **Bromus diandrus* Roth
Daners Gap to Wragges Creek, 1620 m; near Rawsons Pass.
- **B. hordeaceus* L.
Daners Gap to Wragges Creek, 1620 m.
- Chionochloa frigida* (Vickery) Conert
Mt Tate; near top of Tate East Ridge; Snowy R., below Guthega Dam, 1550 m; Blue Cow Creek, 1650 m; Snowy R., 1.6 km above Guthega R. junction, 1585 m; Pipers Gap, 1737 m; Mt Townsend, 1981 m; above Lake Albina; Mt Kosciusko, c. 1830 m; Betts Camp to Mt Kosciusko; 1.6 km below summit, Mt Kosciusko, 2134 m; near Charlotte Pass, 1859 m; Mt Kosciusko summit; Lake Cootapatamba, 2073 m.
- **Dactylis glomerata* L.
Guthega Dam, 1590 m; Soil Conservation Hut, N. of Carruthers Peak, 1950 m.
- Danthonia alpicola* Vickery
Mt Jagungal, 2029 m; ridge to Sentinel Peak; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Mt Townsend, 2134 m; Charlotte Pass, 1830 m; The Chalet, 1844 m; Kangaroo Range, 1859 m; Mt Kosciusko, 2042 m; Snowy R. bridge below Seamans Hut; Snowy R., 1920 m; Etheridge Range, 2136 m; just below Mt Kosciusko summit, 2158 m; Rawson Pass, 2091 m; Munyang Mtns, 2073 m.
- D. eriantha* Lindl.
Happy Jacks Plain; near Mt Jagungal; Rocky Bogong Mtn, 1707 m.
- D. nivicola* Vickery
E. slopes of the Kerries; Disappointment Spur, 1829 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Perisher Creek, 1600 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; between Upper Blue Lake & Blue Lake; near Soil Conservation Hut, N. of Carruthers Peak, 1935 m; Hedley Tarn, 1860 m; Blue Lake track, 1829 m; Mt Townsend, 1981 m; near Lake Albina; NE. below Mt Northcote, 1900 m; Betts Creek, 1700 m; Betts Camp; head of Spencers Creek, 1798 m; Kangaroo Range, 1859 m; below Mt Stilwell, 1981 m; Merritts Creek, 1884 m; near Seamans Hut, 1981 m; below Seamans Hut, on Snowy R. crossing, 1981 m; just below summit, Mt Kosciusko, 2164 m; Lake Cootapatamba; Ramshead Range, E. of Merritts Spur.
- D. nudiflora* P.F. Morris
Happy Jacks Creek between SMA & Brooks Huts; McKeahnies Creek catchment, Happy Jacks Plain; 3 km SSE. of Mt Jagungal, 1783 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Mt Twynam; SW. of Hedley Tarn, 1840 m; Perisher Valley, 1700 m; Rock Creek, 1737 m; Mt Townsend, 1981 m; Spencers Creek, 1700 m; Mt Kosciusko-Lake Albina track, 1951 m; Northcote Pass, 2040 m; NE. below Mt Northcote, 1900 m; above Charlotte Pass, 1920 m; Betts Creek, 1700 m; Betts Camp; head of Spencers Creek, 1798 m; near Seamans Hut, 1951 m; below Seamans Hut, on Snowy R. crossing, 1981 m; Mt Kosciusko summit, 2225 m.
- D. pentecillata* (Labill.) Beauv.
Far Bald Mtn. near Boobee Hut; Happy Jacks Plain, 1478 m; Diggers Creek, Happy Jacks Plain; Mt Jagungal, 1829 m; Diggers Creek Lake, 1500 m; near Hotel Kosciusko, 1554 m; near Daners Gap, 1676 m; Pipers Creek; Guthega Dam; Perisher Creek, 1676 m; Prussian Creek; Boogong Creek, near Dead Horse Gap, 1560 m.

D. pilosa R. Br.

Near Brooks Hut, Happy Jacks Plain; Mt Kosciusko, 1375-1525 m.

D. sp.

2.4 km SE. of Boobee Hut, Happy Jacks Plain; McKeahnies Creek, Happy Jacks Plain; Spencers Creek, 1700 m; Spencers Creek to Betts Creek; Betts Creek, 1750 m.

Deschampsia caespitosa (L.) Beauv.

McKeahnies Creek, near Happy Jacks Plain; 3 km SSE. of Jagungal; Upper Tooma basin, 1783 m; head of Pounds Creek, Mt Twynam, 2000 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Hedley Tarn, 1860 m; junction of Spencers Creek & Snowy R., 1630 m; Mt Kosciusko, 1525-1830 m; Charlotte Pass-Blue Lake track, c. 0.8 km from Snowy R.; Lake Albina; Mt Northcote to Lake Albina, 1981 m; near Betts Hut; E. of Mt Clarke; Snowy R. bridge below Seamans Hut, 1932 m.

Deyeuxia affinis M. Gray

Between Guthega Trig. & Consett Stephen Pass, 1940 m; Guthega R., 1600 m; above Blue Lake, 1960 m; Lower Spencers Creek, 1710 m, 1700 m; Mt Clarke; Mt Kosciusko, below summit; flat below Seamans Hut.

D. brachyathera (Stapf) Vickery

Near Guthega dam site; Mt Kosciusko, 1830 m; headwaters, Big Boggy, 1650 m.

D. carinata Vickery

Barneys Creek; Boobee Hut, Happy Jacks Plain; above Munyang, 1646 m; Munyang valley; Diggers Creek Lake, 1500 m; above Guthega Dam on lower Tate East Ridge, 1700 m; Rennix Gap; Wragges Creek, 1650 m; Lower Twynam cirque, 1951 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; slopes of Mt Townsend, above Lake Albina, 1966 m; Lake Albina; Betts Camp; slopes of Mt Clarke; Kangaroo Range, 1890 m; 500 m WNW. of Seamans Hut, 2000 m; Mt Kosciusko summit, 2227 m; Big Boggy, near Dead Horse Gap, 1550 m.

D. crassiuscula Vickery

Upper Tumut R. near Jagungal; Mt Rocky Bogong, N. slope, 1707 m; Schlink Pass; Guthega Trig., 1860 m; Daners Gap; 0.8 km below Guthega, 1615 m; Thompsons Plain; Perisher Valley, 1700 m; Mt Kosciusko-Lake Albina track, 2042 m; Snowy R. bridge, 1.5 km SE. of Seamans Hut, 1960 m; Etheridge Range, near Seamans Hut, 1960 m; Mt Kosciusko, 1675 m; just below summit, Mt Kosciusko, 2164 m; near Lake Cootapatamba.

D. monticola (Roem. & Schult.) Vickery

Above Brooks Hut, Happy Jacks Plain; Big Jagungal, 1830 m-2040 m; Tooma headwaters, Grey Mare track, 1646 m; 0.4 km E. of Gungartan Trig.; Mt Tate, 2068 m; Pretty Point; Smiggin Holes to Munyang; Prussian Creek, 1640 m; Snowy R. valley; Perisher Valley, 1700 m; Spencers Creek, 1737 m; flat below Seamans Hut; Mt Kosciusko.

D. quadriseta (Labill.) Benth.

Hotel Kosciusko.

D. scaberula Vickery

Mt Rocky Bogong, top, 1800 m; Pretty Point.

D. sp. (This is the taxon referred to *Deyeuxia sp.* in Burbidge & Gray, 1970: 47.)

McKeahnies Creek, Happy Jacks Plain; Guthega R., 1585 m; Blue Cow Creek, 1615 m; Thompsons Plain; Prussian Creek, 1640 m, 1737 m; Spencers Creek, 1710 m, 1750 m.

Dichelachne micrantha (Cav.) Domin

Happy Jacks Plain; Pipers Creek valley, 1560 m; Smiggin Holes, 1554 m.

Erythranthera australis (Petric) Zotov

Mt Twynam Cirque, 2073 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; between Carruthers Peak & Mt Twynam, 1980 m; Hedley Tarn, 1860 m; Northcote feldmark; S. slope of Mt Northcote, 2040 m; Betts Camp; Mt Clarke, 1890 m; c. 400 m NNE. of Seamans Hut; Snowy R., 1950 m; Snowy R. bridge, below Seamans Hut.

E. pumila (Kirk) Zotov

Near Lake Albina; Northcote Pass feldmark; Mt Northcote feldmark.

Festuca asperula Vickery

Happy Jacks Plain; Rennix Gap; above Island Bend, on Plains of Heaven track; Daners Gap.

F. hookerana F. Muell. ex Hook. f.

Diggers Creek, 1540 m; Rennix Gap; 500 m SW. of Daners Gap, 1650 m; Pretty Point, 1676 m; Snowy R. valley; headwaters of Big Boggy, 1650 m.

F. muelleri Vickery

Daners Gap, 1645 m; headwaters, Wragges Creek, 1700 m; N. of Pretty Point, 1700 m; Pretty Point, 1675 m; Prussian Creek, 1707 m; Betts Camp to Mt Kosciusko; Boogong Creek, near Dead Horse Gap, 1560 m.

**F. rubra* L. ssp. *rubra*

Munyang R., on Schlink Pass road, 1500 m; Diggers Creek Lake, 1500 m; Daners Gap to Wragges Creek, 1620 m; junction of Daners & Pipers Creeks, 1575 m; Wragges Creek, above road, 1650 m; Guthega Dam, 1590 m; below Guthega Dam, 1560 m; near Seamans Hut.

Hierochloa redolens (Vahl) Roem. & Schult.

Pretty Point.

H. submutica F. Muell.

Rocky Bogong Mtn, 1768 m; 1 km S. of Grey Mare Hut; near Whites R. Hut, 1707 m; Blue Cow area; Smiggin Holes-Munyang road; Mt Kosciusko, 1830 m; Kangaroo Range, 1860 m.

**Holcus lanatus* L.

Diggers Creek, 1523 m; Guthega Dam, 1590 m.

**Hordeum glaucum* Steudel

2 km WSW. of Twynam Trig., 2133 m; Spencers Creek, 1750 m; near Rawson Pass.

**Lolium perenne* L.

Between Daners Gap & Pipers Creek, 1650 m; Daners Gap to Wragges Creek, 1620 m; Perisher Gap, 1800 m; near Rawson Pass.

**Phleum pratense* L.

Whites R. aqueduct, near Guthega; Diggers Creek, 1524 m; between Daners Gap & Pipers Creek, 1650 m; Daners Gap to Wragges Creek, 1620 m; Guthega Dam, 1590 m; 90 m NE. of Twynam Trig., 2195 m; near Soil Conservation Hut, N. of Carruthers Peak.

**Poa annua* L.

Daners Gap, 1676 m; Spencers Creek, 1750 m; Seamans Hut.

P. clivicola Vickery

Happy Jacks Plain; McKeahnies Creek; Teddys Creek; Plains of Heaven track; junction of Wragges & Pipers Creeks; Betts Camp; Snowy Mtns, 1525 m.

P. costiniana Vickery

Near Round Mtn; Barneys Creek, headwaters of Happy Jacks R.; Big Jagungal, 2012 m; Upper Tooma R. headwaters; The Granite Peaks, 1981 m; near Daners Gap, on Plains of Heaven track; junction of Wragges & Pipers Creeks, 1575 m; N. of Pretty Point, 1700 m; Thompsons Plain; Lower Twynam Cirque, 1951 m; near Carruthers Peak; Perisher Valley, 1700 m; Mt Perisher, near summit,

- 1828 m; Lake Albina; Speneers Creek, below Sugarloaf; below Charlotte Pass; Betts Creek; Betts Camp; Muellers Peak-Mt Northeote saddle; Wilkinsons Valley Creek; Upper Merritts Creek, 1884 m; Snowy R. bridge below Seamans Hut; summit, Mt Koseiusko; Cootapatamba Creek; Dead Horse Gap.
- P. ensiformis* Vickery
Near Round Mtn; Happy Jacks area; Big Jagungal, 1829 m; slopes of Mt Jagungal; Mt Rocky Bogong, 1707 m; Schlink Pass road, 1670 m; Guthega to Windy Creek; Rennix Gap; Plains of Heaven track; Perisher Creek, 1620 m; Pretty Point, 1676 m; above Pipers Gap; Mt Koseiusko, 1829 m; Ramshead Range; Thredbo R. Gorge, 1707 m; 1.5 km W. of Dead Horse Gap.
- P. fawcettiae* Vickery
Happy Jacks Plain; Schlink Pass; Guthega R.; Plains of Heaven track; summit, Blue Cow, 1981 m; near Carruthers Peak, c. 2000 m; near Soil Conservation Hut, N. of Carruthers Peak; S. spur of Perisher, 1890 m; Mt Perisher, 1828 m; above Lake Albina; Perisher Valley, 1700 m; near Betts Creek; near Seamans Hut; Snowy R. bridge, below Seamans Hut; Lower Etheridge Range; Mt Koseiusko, near summit; near Rawsons Pass; Thredbo R.; Dead Horse Gap.
- P. helmsii* Vickery
McKeahnies Creek; Boobee Hut, Happy Jacks Plain; near Hotel Koseiusko site, 1524 m; Diggers Creek, 1524 m; above Hotel Koseiusko; Pipers Creek valley, 1560 m; junction of Daners & Pipers Creeks, 1575 m; Wragges Creek; Pretty Point, 1524 m; Mt Koseiusko, 1676 m; treeline to 2200 m; Boogong Creek, 1560 m.
- P. hiemata* Vickery
Near Round Mtn; Cosjacks Hut, head of Doubtful R.; Upper Tooma R.; Valentine R.; near summit, Gungartan, 2065 m; Diggers Creek, 1524 m; Guthega R.; near Daners Gap, Plains of Heaven track; Diggers Creek Reservoir, 1640 m; Blue Cow Creek, 1615 m; N. of Pretty Point, 1700 m; Lower Twynam Cirque, 1951 m; Mt Perisher, near summit, 1890 m; Perisher Valley, 1700 m; Roek Creek; near summit of Mt Lee; Mt Koseiusko, 1525-2200 m; below Sugarloaf; above Charlotte Pass; near Betts Camp; Muellers Ridge, above Lake Albina; Trapyard Creek; near Seamans Hut; Thredbo R. Gorge, 1707 m.
- P. induta* Vickery
Pipers Creek.
- P. petrophila* Vickery
Happy Jacks Plain, 1463 m; Barneys Creek; Daners Gap, 1676 m; junction Wragges & Pipers Creeks; Pipers Creek.
- P. phillipsiana* Vickery
Near Bald Hill, above Happy Jacks catchment, 1737 m; Happy Jacks Plain; Barneys Creek; McKeahnies Creek; Pipers Gap; near Sugarloaf; above Trapyard Creek; Ramshead Range, 1554 m; W. of Dead Horse Gap.
- **P. pratensis* L.
Happy Jacks Plain; Teddys Creek; Daners Gap to Wragges Creek, 1620 m; Seamans Hut.
- P. saxicola* R. Br.
2.4 km WSW. of Jagungal, 1614 m; Tooma headwaters; near Granite Peaks, N. of Mt Tate, 1981 m; 0.8 km NE. of Gungartan Trig.; Disappointment Spur, 1768 m; between Guthega Trig. & Consett. Stephen Pass, 1940 m; Daners Gap to Wragges Creek, 1620 m; Mt Twynam, near Upper Blue Lake; Carruthers Peak; below Hedley Moraine, 1890 m; Blue Lake track, 1859 m; above Lake Albina; NE. slopes of Mt Northeote, 1981 m; Mt Northcote, 2042 m; between Snowy R. & Kangaroo Range; Mt Stilwell, 2050 m; near Seamans Hut, 1900 m; Mt Koseiusko, 60 m below summit.

P. sieberana Spreng. var *sieberana*

Near Round Mtn; Happy Jacks Plain; Barneys Creek; McKeahnies Creek; Tibeaudes Creek; Teddys Creek; Diggers Creek, near Kosciusko Hotel, 1524 m; Rennix Gap; Daners Gap, 1676 m; junction of Wragges & Pipers Creeks; Pipers Gap to Ramshead Range; near Rock Creek, Kosciusko road; Betts Camp; Dead Horse Gap.

Stipa nivicola J.H. Willis

Happy Jacks Plain; Doubtful R. flat, 1494 m; Tooma R. headwaters, S. of Jagungal, 1770 m; near Grey Mare Hut, 1676 m; Schlink Pass road; near Hotel Kosciusko; Wragges Creek; Perisher Creek, 1524 m; Prussian Creek; Mt Kosciusko, 1675 m.

Trisetum spicatum (L.) Richt.

Bald Hill, above Happy Jacks catchment; Big Jagungal, 2010 m, 1829 m; Grey Mare Hut region, 1675 m; summit, Gungartan, 2065 m; N. slope of Blue Cow, 1950 m; Pipers Creek valley, 1560 m; Thompsons Plain; Pretty Point; Snowy R., near Spencers Creek, 1620 m; below Hedley Moraine, 1890 m; Spencers Creek, 1920 m, 1675 m; near Mt Townsend, 2134 m; above Lake Albina; Mt Kosciusko to Lake Albina; Kangaroo Range, 0.8 km beyond Charlotte Pass; Mt Kosciusko summit, 2225 m; Rawson Pass; Etheridge Range; Summit ridge above Lake Cootapatamba; Merritts Creek, 1950 m.

**Vulpia bromoides* (L.) S.F. Gray

Happy Jacks area.

**V. myuros* (L.) Gmel.

Happy Jacks area; Daners Gap to Wragges Creek, 1620 m.

CYPERACEAE

Carex appressa R. Br.

Daners Gap, 1675 m; Wragges Creek, 1585 m; Pipers Creek valley, 1560 m; Diggers Creek Reservoir, 1640 m; Perisher Creek, 1524 m, 1590 m; Pretty Point, 1675 m.

C. sp. (aff. *archeri* Boott)

Club Lake, 2000 m; towards head of Thredbo R., 1705 m.

C. blakei Nelmes

Near Arsenic Creek, Happy Jacks Plain; NW. slopes of Round Mtn, 1640 m; Tibeaudes Creek Hut, near Mt Jagungal; Blue Cow Creek, 1620 m, 1630 m; Perisher Creek, 1524 m; Pipers Creek bridge, near Smiggin Holes; Spencers Creek, 1700 m; flat below Seamans Hut.

C. breviculmis R. Br.

Macgregors Creek headwaters, Happy Jacks Plain, 1524 m; below Guthega Trig., 1800 m; Daners Gap, 1676 m; Hotel Kosciusko Reservoir catchment; summit, Blue Cow, 1980 m; near Lake Albina; Northcote Pass; Kangaroo Range; Mt Kosciusko, treeline to 2200 m; summit, Mt Kosciusko.

C. capillacea Boott

C. 1 km NNE. of Rennex Gap; Lake Kosciusko; Wragges Creek, near Daners Gap; Diggers Creek Reservoir, 1640 m; Thompsons Plain, 1760 m.

C. cephalotes F. Muell.

Hedley Tarn, 1880 m; Club Lake; Mt Lee; above Lake Albina; Lake Albina, 2070 m; NE. below Mt Northcote, 1900 m; below Mt Northcote, 2070 m; Mt Stilwell, 2050 m; Mt Kosciusko, near summit; Lake Cootapatamba.

C. curta Good.

Tate East Ridge, 1800 m; Guthega R., 1585 m; Blue Cow, 1930 m; Snowy R., near Spencers Creek, 1630 m; Lower Twynam Cirque, 1951 m; above Blue Lake, 1960 m; SW. of Hedley Tarn, 1840 m; Betts Creek; Mt Kosciusko, treeline to 2200 m; Snowy R. bridge below Seamans Hut; Upper Snowy R., 1980 m; Mt Kosciusko, below snowpatch near summit; Rawson Pass, 2134 m; near Lake Cootapatamba.

C. echinata Murray

Tibeaudes Creek Hut; under Granite Peaks to the E.; Guthega R., 1585 m; Diggers Creek Reservoir, 1640 m; Guthega Dam; Blue Cow Creek, 1620 m; Perisher Creek, 1554 m; Blue Calf saddle, 1900 m; Lower Twynam Cirque, 1951 m; Smiggin Holes to Perisher Gap; Spencers Creek, 1710 m, 1750 m; below Mt Northcote, 2073 m; Snowy R., below Charlotte Pass, 1760 m; Betts Creek; Snowy R. bridge below Seamans Hut; Thredbo R. Gorge, 1705 m; Big Bogy, near Dead Horse Gap, 1550 m.

C. gaudichaudiana Kunth

Happy Jacks Plain, 1370 m; Grey Mare track at Doubtful R.; Diggers Creek Reservoir, 1650 m; Bullrock Mtn; NE. above Guthega Dam, 1585 m; Blue Cow Creek, 1620 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Blue Lake; Charlotte Pass to Blue Lake, 1829 m-1890 m; Lake Albina; Snowy R., N. of Charlotte Pass; Upper Snowy R., 1980 m; Snowy R. bridge; Mt Kosciusko, near summit.

C. hebes Nelmes

Big Jagungal, 2040 m; below Guthega Trig., 1800 m; Daners Gap, 1766 m; Blue Cow Creek, 1620 m; above Smiggin Holes, on Guthega road, 1760 m; Mt Twynam; Lower Twynam Cirque, 1951 m; Snowy R., between Guthega Dam & Spencers Creek, 1630 m; 1.5 km S. of Pipers Gap; near Soil Conservation Hut, N. of Carruthers Peak; above Lake Albina, 1070 m; NE. below Mt Northcote, 1900 m; Charlotte Pass, 1859 m; Mt Kosciusko, treeline to 2200 m; near the Chalet; Mt Stilwell, 2050 m; Mt Kosciusko summit; Rawson Pass, 2091 m; near Lake Cootapatamba.

C. hypandra F. Muell. ex Benth.

Lower Twynam Cirque, 1951 m; head of Blue Lake, 1920 m; Mt Carruthers, 2012 m; Carruthers Peak to Lake Albina; below Hedley Moraine, 1890 m; Club Lake, 1980 m; Spencers Creek, 1738 m; Lake Albina, 2070 m; below Mt Northcote, 2070 m; Mt Stilwell, 1980 m; Upper Snowy R., 1980 m; Snowy R. bridge below Seamans Hut; below Seamans Hut, 2000 m; Lake Cootapatamba, 1980 m.

C. jackiana Boott

Tooma R. headwaters; Munyang R., on Schlink Pass road, 1500 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Guthega R., 1600 m; Wragges Creek; Blue Calf saddle, 1900 m; Snowy R., between Spencers Creek & Guthega Dam, 1620 m; head of Blue Lake, 1920 m; below Hedley Moraine, 1890 m; E. slopes of Mt Northcote, 1981 m; 1 km SW. of Charlotte Pass; head of Spencers Creek, 1800 m; near Summit road below Mt Stilwell; Ramshead Range, beyond Merritts Creek, 1920 m; Snowy R. bridge below Seamans Hut; near Lake Cootapatamba; Upper Thredbo R. beside Tin Mine trail.

C. raleighii Nelmes

Head of Tumut R.

C. tereticaulis F. Muell.

Guthega Dam, 1600 m.

Carpha alpina R. Br.

Tate East Ridge, 1800 m; SW. of Hedley Tarn, 1840 m; Snowy R. below Merritts Creek, 1950 m; Snowy R. crossing, below Seamans Hut; S. of Mt Stilwell, 2000 m; Rawsons Pass to Lake Cootapatamba, 2070 m; E. of N. Ramshead, 2050 m.

C. nivicola F. Muell.

Happy Jacks Plain, 1460 m; Barneys Creek; Tooma headwaters, 1524 m; Daners Gap; Pipers Creek; between Mt Piper & Back Perisher, 1675 m; Pretty Point, 1675 m; Thompsons Plain, 1760 m; Mt Koseiusko, up to 1675 m; Smiggin Holes, 1675 m; Twynam North Cirque; head of Pounds Creek, Mt Twynam, 2000 m; Prussian Creek; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Pipers Gap; Lake Albina, 2070 m; 0.8 k W. of Charlotte Pass; Kangaroo Range, 2.4 km above Charlotte Pass on Summit road; Prussian Creek; Snowy R. bridge below Seamans Hut; below Seamans Hut, 2010 m; Mt Koseiusko, just below summit, 2164 m; Rawsons Pass, 2091 m.

Eleocharis acuta R. Br.

3.2 km from Grey Mare track junction with Happy Jacks road towards Happy Jacks Pondage; Diggers Creek Lake, 1500 m; Diggers Creek, 1524 m; Diggers Creek Reservoir, 1650 m.

E. pusilla R. Br.

Hotel Koseiusko Lake.

Oreobolus distichus F. Muell.

Junction of Barneys Creek & Happy Jacks Creek, 1370 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Diggers Creek, 1554 m; Wragges Creek, near Daners Gap; between Mt Piper & Baek Perisher, 1680 m; Blue Calf saddle, 1900 m; Prussian Creek, 1707 m; above Blue Lake, 1960 m; above Betts Creek, 1740 m; Kangaroo Range beyond Charlotte Pass; Wrights Creek, 1830 m; Merritts Creek, 1965 m; Rawsons Pass, 2091 m; Lake Cootapatamba, 2070 m; Ramshead Range, E. of Merritts Spur, 1920 m.

O. oxycarpus S.T. Blake

Gungartan, 2000 m; Daners Gap; Prussian Creek, 1707 m; Upper Betts Creek, 1760 m.

O. pumilio R. Br.

Consett Stephen Pass to Mt Tate, 1960 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Tate East Ridge, 1700 m; Thompsons Plain, 1760 m; Blue Calf saddle, 1900 m; above Blue Lake, 1960 m; Carruthers Peak, 2042 m; Hedley Tarn, 1860 m; slopes above Club Lake Creek; Spencers Creek, 1700 m; Snowy R., N. of Charlotte Pass; Betts Creek; S. of foot of Mt Clarke; Snowy R. bridge below Seamans Hut; Mt Koseiusko, snowpatch near summit; Rawsons Pass, 2091 m; Lake Cootapatamba, 2000 m; Ramshead Range, E. of Merritts Spur, 1920 m.

Schoenus apogon Roem. & Schult.

Diggers Creek, near Hotel Koseiusko, 1554 m.

S. calyptratus Kükenthal

Between Guthega Trig. & Consett Stephen Pass, 1940 m; Tate East Ridge, 1800 m; Guthega R., 1585 m; Snowy R., between Spencers Creek & Guthega Dam, 1620 m; NW. of Blue Lake; Hedley Tarn, 1860 m; Snowy R., above Spencers Creek, 1646 m; Spencers Creek; gully from Mt Aliee Rawson, W. of Lake Albina; NE. below Mt Northcote, 1900 m; Muellers Peak; Mt Stilwell, 1980 m; Snowy R., 1950 m; near Snowy R. bridge below Seamans Hut; Rawsons Pass, 2091 m; Lake Cootapatamba, 1981 m; Ramshead Range, beyond Merritts Creek, 1920 m.

Scirpus aucklandicus (Hook. f.) Boeck.

Head of Tooma R.; Guthega R., 1585 m; Wragges Creek, 1600 m; Pipers Creek, 1575 m; Diggers Creek Reservoir, 1640 m; Blue Cow Creek, 1650 m; Twynam Cirque; above Blue Lake, 1920 m; below Hedley Moraine, 1890 m; near Perisher Bridge; Club Lake, 1860 m; Lower Spencers Creek, 1710 m; Lake Albina, 2070 m; below Mt Northcote, 1900 m; head of Spencers Creek, 1768 m; Mt Stilwell, 2050 m; Snowy R. below Seamans Hut; Lake Cootapatamba.

S. crassiusculus (Hook. f.) Benth.

Happy Jacks Creek, track to Brooks Hut; Barneys Creek valley, 1430 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Tate East Ridge, 1800 m; Guthega R., 1585 m; between Mt Piper & Back Perisher, 1650 m; Diggers Creek Reservoir, 1640 m; Pretty Point, 1675 m; Thompsons Plain, 1760 m; Blue Calf saddle, 1900 m; Upper Prussian Creek, 1737 m; Spencers Creek; Upper Betts Creek, 1750 m; Lake Cootapatamba; North Ramshead; headwaters of Big Boggy, 1650 m.

S. habrus E. Edgar

Slopes of Gungartan, 2000 m; Guthega R., near dam, 1585 m; junction of Wragges & Pipers Creek, 1585 m; Blue Cow Creek, 1650 m; Perisher Creek, 1600 m; Pretty Point; Prussian Creek, 1640 m; Twynam Cirque; Snowy R., above Guthega Dam, 1600 m; below Hedley Moraine, 1890 m; head of Blue Lake, 1920 m; Club Lake, 1860 m; Lake Albina, 2070 m; 1.5 km above Charlotte Pass; 6.4 km from summit of Kosciusko on Summit road; Snowy R., 1829 m; Thredbo R. Gorge, 1675 m; Snowy R. below Seamans Hut; Lake Cootapatamba.

S. inundatus (R. Br.) Poir.

Happy Jacks Plain; Upper Tooma R., 1524 m; Rennix Gap; Pipers Creek valley, 1585 m; Mt Kosciusko, 1585 m.

S. montivagus S.T. Blake

Gungartan, 2065 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Mt Twynam, c. 2000 m; Pipers Gap; above Club Lake; Lake Albina, 2070 m; Mt Northcote, 1981 m; Spencers Creek to Charlotte Pass; Mt Clarke; Upper Spencers Creek; Mt Kosciusko, near summit; Lake Cootapatamba, 2042 m.

S. subtilissimus (Boeck.) S.T. Blake

Happy Jacks Plain; slopes of Gungartan, 2000 m; Guthega R., 1585 m; junction of Wragges & Pipers Creeks, 1575 m; Wragges Creek, 1600 m; Pipers Creek, 1575 m; between Mt Piper & Back Perisher, 1680 m; Diggers Creek Reservoir, 1640 m; Perisher Creek, 1600 m; Thompsons Plain, 1760 m; Prussian Creek, 1707 m; Snowy R., 1620 m; Lower Spencers Creek, 1710 m; Lake Albina; between Spencers Creek & Charlotte Pass; Mt Stilwell, 1980 m; Big Boggy, near Dead Horse Gap, 1620 m; head of Big Boggy, 1650 m.

Uncinia compacta R. Br.

Mt Tate; Twynam-Carruthers saddle; ridge W. of Blue Lake, 2000 m; Carruthers Mtn, 2070 m; Blue Lake track, 1860 m; below Club Lake, 1800 m; Mt Townsend; Lake Albina, 2070 m; near summit of Mt Northcote.

U. flaccida S.T. Blake

400 m S. of Gungarten Trig.; Guthega R., 1585 m; above Club Lake; between Blue Lake track & Hedley Tarn, 1840 m; below Charlotte Pass; end of ridge between Betts & Trapyard Creeks, 1840 m; near top of chairlift above Thredbo Village, 1950 m.

U. sinclairii Boott

Snowy R. crossing, below Seamans Hut.

U. sp.

Blue Lake area; Carruthers Peak area; Lake Albina, 2070 m; Mt Northcote; Mt Kosciusko-Lake Albina track, 2040 m; Snowy R. bridge below Seamans Hut; Rawson Pass, 2091 m; Lake Cootapatamba, 1980 m.

RESTIONACEAE

Empodisma minus (Hook. f.) L.A.S. Johnson & Cutler

Barneys Creek & Happy Jacks Creek junction, 1370 m; Tibauds Hut, Grey Mare track; Whites R. Hut; above Munyang; Diggers Creek, 1524 m; Hotel Kosciusko to Betts Camp; Daners Gap, 1675 m; Blue Cow Creek, 1650 m; Perisher Creek, 1554 m; Pretty Point; Carruthers Peak to Blue Lake track; Spencers Creek Plain, 1.6 km from Spencers Creek towards Charlotte Pass, 1737 m; Mt Kosciusko, treeline to 2200 m.

Restio australis R. Br.

Happy Jacks Plain, 1370 m; junction of Barneys & Happy Jacks Creeks, 1379 m; above Hotel; Perisher Creek, 1830 m; Smiggin Holes, 1675 m; Mt Kosciusko, 1830 m; Kosciusko Chalet; headwaters of Big Boggy, 1650 m.

JUNCACEAE

Juncus antarcticus Hook. f.

Guthega R., 1585 m; Wragges Creek; base of Mt Piper, 1680 m; Snowy R. between Guthega Dam & Spencers Creek, 1620 m; above Blue Lake, 1960 m; SW. of Hedley Tarn, 1840 m; 1 km SSW. of Hedley Tarn, 1800 m; Perisher Valley; below Club Lakč, 1800 m; Lake Albina, 2070 m; NE. of Mt Northcote, 1900 m; near Mt Northcote; 2 km SW. of Charlotte Pass; Kangaroo Range; Wrights Creek, 1830 m; S. of Mt Stilwell, 2000 m; Rawsons Pass, 2091 m; Big Boggy, 1600 m.

**J. articulatus* L.

Diggers Creek, 1530 m; junction of Daners & Pipers Creeks, 1575 m; junction of Wragges & Pipers Creeks, 1575 m; Wragges Creek, 1585 m; between Mt Piper & Back Perisher, 1680 m; Diggers Creek Reservoir, 1646 m; Snowy R. below Scamans Hut; Big Boggy, near Dead Horse Gap, 1550 m.

J. australis Hook. f.

Diggers Creek, 1530 m; Rennex Gap, 1600 m; c. 1 km SE. of Dead Horse Gap, c. 1600 m.

J. bufonius L.

1.6 km from Beacon Hill track towards Happy Jacks Hut; Happy Jacks Plain, 1478 m; Grey Mare Range, 1600 m; Diggers Creek, 1530 m; Daners Gap, 1675 m; junction of Daners & Pipers Creeks, 1575 m; Spencers Creek; headwaters of Big Boggy, 1650 m.

**J. effusus* L.

Lake below Hotel Kosciusko; Diggers Creek Lake, 1530 m.

J. falcatus E. Meyer

Happy Jack Creek on track to Brooks Hut; Happy Jacks Plain, 1478 m; Big Jagungal, 2042 m; Hotel Kosciusko; Guthega R., 1585 m; junction of Wragges & Pipers Creeks, 1575 m; between Mt Piper & Back Perisher, 1680 m; Perisher Creek, 1524 m; Snowy R. between Guthega Dam & Spencers Creek, 1650 m; Lower Spencers Creek, 1730 m; Kangaroo Range; headwaters, Big Boggy, 1650 m.

J. sandwithii Lourteig

Happy Jacks Plain, 1478 m; Kosciusko Hotel Lake, Diggers Creek, 1500 m, 1524 m; junction of Daners & Pipers Creeks, 1575 m; Wragges Creek, 1575 m, 1650 m; Diggers Creek Reservoir, 1640 m; Prussian Creek, 1640 m; The Big Boggy, c. 1600 m.

J. sp. (aff. *scheuchzerioides* Gaudich.)

Junction of Wragges & Pipers Creeks, 1575 m; Wragges Creek, near Pipers Creek, 1585 m.

**J. tenuis* Willd.

Guthega Dam, 1585 m; above Snowy R., Charlotte Pass, 1760 m.

J. sp. I, tall-growing, with the pith usually interrupted.

8.8 km from Grey Mare track junction towards Happy Jacks Pondage.

J. sp. F, tall-growing, with the pith continuous.

Happy Jacks Plain, 1490 m; between top of pipeline and Munyang R., Schlink Pass road, 1500 m; Rennex Gap, 1600 m; Pipers Creek valley, 1560 m; Pipers Creek, 1585 m; Reservoir, Diggers Creek, 1640 m; Wragges Creek, 1585 m.

J. sp. M6, low-growing, with pale few-flowered heads. (This is the *Juncus sp.* of Costin et al., 1979: 151.)

Munyang R. on Schlink Pass road, 1500 m; Guthega R., near dam, 1585 m; junction of Wragges & Pipers Creeks, 1575 m; base of Mt Piper, 1680 m; Blue Cow Creek, 1650 m; Perisher Creek, 1600 m; Thompsons Plain, 1760 m; Snowy R. above Guthega Dam, 1600 m; Spencers Creek, 1710 m, 1700 m, 1630 m; Snowy R. above Spencers Creek, 1646 m; Kangaroo Range above Charlotte Pass; 2 km above Charlotte Pass; Mt Kosciusko, near summit; Big Boggy near Dead Horse Gap, 1550 m, 1630 m.

Luzula acutifolia Nordenskiöld ssp. *nana* E. Edgar

Head of Blue Lake, 1920 m; Back Carruthers; Hedley Tarn, 1860 m; 1 km SSW., of Hedley Tarn, 1800 m; near Mt Townsend, 2134 m; above Lake Albina; Mt Kosciusko-Lake Albina track; NE. below Mt Northcote, c. 1900 m; Mt Northcote, near summit; Muellers Peak; Mt Stilwell, 1980 m, 2050 m; Mt Kosciusko, treeline to 2200 m, 1675 m to summit, 1 km NE. of the summit, near summit; Merritts Creek; NE. below Rawson Pass, 2100 m.

L. alpestris Nordenskiöld

Thompsons Plain, 1745 m; Mt Carruthers-Mt Twynam saddle; Mt Carruthers; Spencers Creek, 1750 m; NE. below Mt Northcote, c. 1900 m; 2 km NW. of Charlotte Pass, 1740 m; near Betts Creek, S. of the Paralyser, 1750 m; head of Spencers Creek, 1920 m; Merritts Creek, 1950 m; Mt Kosciusko, treeline to 2200 m; Snowy R. bridge, below Seamans Hut; Cootapatamba Creek, 2000 m.

L. atrata E. Edgar

Tate East Ridge, 1800 m; Lower Twynam Cirque, 1951 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; head of Blue Lake, 1920 m; Carruthers Peak; creek SW. of Hedley Tarn, 1840 m; gully from Mt Alice Rawson, W. of Lake Albina; NE. below Mt Northcote, c. 1900 m; Charlotte Pass; S. of Mt Clarke; Mt Stilwell, 1980 m; Snowy R., 1950 m; Snowy R. bridge, on summit road; below Seamans Hut, 2000 m; between Mt Kosciusko & Abbots Peak; near Rawson Pass.

L. australasica Steud.

NW. slope of Round Mtn, 1640 m; O'Keefes Hut, 1646 m; near summit, Gungartan, 2065 m; Tate East Ridge, 1700 m; Hotel Kosciusko; Wragges Creek, c. 1600 m; base of Mt Piper, 1680 m; near Diggers Creek Reservoir, 1650 m; Blue Cow Creek, 1650 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; junction of Spencers Creek & Snowy R., 1630 m; 1.5 km beyond Charlotte Pass, 1800 m; 0.8 km beyond Charlotte Pass; summit road, c. 5.6 km from Mt Kosciusko summit; Seamans Hut to Snowy R. crossing; Mt Kosciusko; Rawson Pass; Snowy Mtns.

L. flaccida (Buchen.) E. Edgar

Thredbo R. Gorge, 1554 m.

L. novae-cambriae Gandoger

Boobec Hut, Happy Jacks Plain; Grey Mare Range, 1750 m; summit of Blue Cow; Blue Cow Creek; head of Blue Lake, 1920 m; below Soil Conservation Hut, N. of Carruthers Peak, 2012 m; Carruthers Peak; S. spur of Perisher, 1890 m; above Club Lake; above Lake Albina; Mt Stilwell, 1980 m; Mt Kosciusko, treeline to 2200 m; below Seamans Hut; Etheridge Range; Big Boggy, near Dead Horse Gap, 1550 m.

L. oldfieldii Hook. f. ssp. *dura* E. Edgar

Ridge above Soil Conservation Hut, N. of Carruthers Peak; Mt Carruthers to Mt Twynam; Mt Northcote; at the foot of Mt Clarke; Muellers Peak-Mt Northcote saddle; near Snowy R. bridge, below Seamans Hut; 1 km SW. of Seamans Hut, 2136 m; Etheridge Range; summit, Mt Kosciusko, 2225 m; S. of Mt Stilwell, 2040 m.

LILIACEAE

Arthropodium milleflorum (Red.) Macbride

Diggers Creek, 1554 m; Pipers Creek, 1554 m; Dead Horse Gap.

Astelia alpina R. Br. var. *novae-hollandiae* Skottsb.

Mt Jagungal, 1950 m; Schlink Pass road, 1800 m; below Guthega Trig., 1830 m; Prussian Creek, 1600 m; 1 km SW. of Blue Lake, 1890 m; 250 m from Charlottes Pass on track to Blue Lake, 1780 m; Kangaroo Range; Mt Stilwell, 2050 m; Mt Kosciusko, treeline to 2200 m; near Seamans Hut; slope below Etheridge Range; Rawson Pass, 2091 m; Mt Kosciusko, near summit; Lake Cootapatamba, 2070 m, 2040 m.

A. psychrocharis F. Muell.

Mt Jagungal, 1950 m; Back Flat Creek, head of Geehi R., 1570 m; 1 km N. of the Grey Mare, 1720 m; below Guthega Trig., 1830 m; Pipers Creek, 1650 m; between Mt Piper & Back Perisher, 1675 m; Guthega Dam, 1585 m; N. slope of Blue Cow, 1920 m; above Blue Lake on slope to Carruthers Peak; Perisher Gap; Spencers Creek, 1738 m; near Ibis Hut, David Moraine; Mt Kosciusko, 1830 m; 800 m beyond Charlottes Pass on road to Summit; Mt Stilwell; Ramshead Range, E. of Merritts Spur, 1920 m; slope below Seamans Hut; Etheridge Range, 2012 m; Lake Cootapatamba, 2070 m; Big Boggy, 1600 m.

Caesia alpina Hook. f.

Above Wragges Creek aqueduct intake.

Dianella tasmanica Hook. f.

Boobee Hut, Happy Jacks Plain; Dickie Cooper Creek; Whites R., 1525 m; above Guthega Dam on Tate East Ridge track, 1650 m; Mt Kosciusko, up to 1675 m; Mt Piper, SE. face; edge of Thredbo Gorge, SSE. of Smiggin Holes; Blue Calf saddle, 1900 m; S. spur of Perisher, 1890 m; gully from Mt Alice Rawson to just below Lake Albina, 1966 m; Mt Kosciusko, 1980 m; Thredbo R. Gorge, 1585 m; Thredbo R., ascent to Ramshead.

Herpolirion novae-zelandiae Hook. f.

Guthega Dam, 1524 m; Blue Cow Creek, 1738 m; 1 km E. of Smiggin Holes; Snowy R., c. 2 km S. of Guthega Village, 1620 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Pipers Gap; The Perisher; SE. end of Perisher Valley, 1738 m; Spencers Creek, 1738 m; David Moraine, Spencers Creek; ridge between Snowy R., Club Lake Creek junction & Mt Carruthers, 1829 m.

ORCHIDACEAE

Caladenia lyallii Hook. f.

Happy Jacks Plain; above McKeahnies Creek; Mt Jagungal, NW. slope; Mt Jagungal, 1800 m; below Guthega Trig., 1770 m; The Sentinel, 1900 m; Mt Northcote, 2070 m; Guthrie Range, above Spencers Creek, 1800 m; N. slope of Mt Clarke.

Chiloglottis cornuta Hook. f.

Below Gills Knob, 1720 m; Perisher Valley, 1705 m.

C. gunnii Lindl.

Blue Cow Creek, 1650 m; Mt Kosciusko; Pretty Point.

Diuris pedunculata R. Br.

3.2 km from junction of Grey Mare track with Happy Jacks road, towards Happy Jacks Pondage; Barneys Creek area; O'Kccfes Hut, Grey Mare track; near Kosciusko Hotel, 1524 m; E. of Daners Gap, 1635 m; Wragges Creek; Pipers Creek valley, 1580 m; near Diggers Creek Reservoir, 1650 m; Thompsons Plain, 1745 m; Pipers Gap; Mt Kosciusko, 1830 m; slopes of the Chimneys, 1738 m.

Eriochilus cucullatus (Labill.) Reichb. f.

Near Farmridge Hut; Pipers Creek; Snowy Mtns.

Gastrodia sesamoides R. Br.

Boobee Hut, Happy Jacks Plain; 8 km S. from Happy Jacks Road on Grey Mare track; Mt Rocky Bogong, N. slope, 1707 m; Snowy R. valley, above Munyang Camp, 1615 m; Mt Kosciusko, 2134 m.

Prasophyllum alpinum R. Br.

Tibauds Hut, Grey Mare track; O'Keefes Hut, Grey Mare track; the Kerries; Rennix Gap; E. of Daners Gap, 1635 m; Guthega Dam, 1675 m; N. slope of Blue Cow, 1830 m; Blue Cow Creek, 1675 m; Mt Carruthers, 2011 m; S. spur of Perisher, 1830 m; SE. end of Perisher Valley, 1738 m; Spencers Creek, 1750 m; Chalet; below Mt Stilwell, 1981 m; Merritts Creek, 1950 m; Mt Kosciusko, treeline to 2200 m; Snowy R. bridge to Seamans Hut; Mt Kosciusko, below summit, 2230 m; Lake Cootapatamba, 2040 m.

P. suttonii R.S. Rogers & Rees

1.6 km along Grey Mare track from Happy Jacks road; near Farm Ridge, Grey Mare Track; O'Keefes Hut, Grey Mare track; between Mt Piper & Back Perisher, 1676 m; Blue Cow Creek, 1675 m; Mt Carruthers, 2050 m; below Hedley Moraine; Spencers Creek, 1750 m; Mt Kosciusko, 1525 m; Merritts Creek, 1950 m; Mt Kosciusko, near summit; near Rawson Pass; Lake Cootapatamba, 2070 m; head of Snowy R., 2050 m.

Pterostylis alpina R. Br.

Daners Gap; below Moon Rock, 1650 m; Kosciusko; Smiggin Holes, 366 m S. of Pipers Creek bridge.

Thelymitra venosa R. Br.

Boobee Hut, Happy Jacks Plain; Farmridge Hut; Daners Gap; Mt Kosciusko; between Mt Piper & Back Perisher, 1660 m; Perisher Creek, 1600 m, 1554 m; Pretty Point.

DICOTYLEDONEAE

PROTEACEAE

Grevillea australis R. Br.

McKeahnies Creek; Mt Kosciusko, up to 1675 m; Smiggin Holes to Guthega, near Island Bend turn-off; N. Slope of Blue Cow, 1890 m; Blue Cow Creek, 1650 m; Lower Spencers Creek, 1739 m; S. spur of Perisher, 1890 m; Snowy R., below Charlotte Pass, 1830 m; Mt Kosciusko, 1675 m to the summit; Munyang Ranges, 1830 m; Kangaroo Range; Seamans Hut; just below Seamans Hut, 2010 m; Etheridge Range; Mt Kosciusko, summit, 1980 m, treeline to 2200 m; Snowy R. bridge, below Seamans Hut; Thredbo R. Gorge, 1705 m; Big Boggy, 1650 m.

G. victoriae F. Muell.

Round Mtn; Grey Mare Range, E. of the Grey Mare, c. 1730 m; Dickie Cooper Creek; The Sentinel, 1900 m; Hannells Spur, near top, 1830 m, 1524 m; Mt Kosciusko, above snowline; Dead Horse Gap.

Hakea microcarpa R. Br.

Happy Jacks Plains; junction of Happy Jacks & McKeahnies Creeks; Diggers Creek Lake, 1500 m; Diggers Creek, 1554 m; Rennix Gap; Pipers Creek valley, 1580 m; below Moon Rock, 1620 m.

Orites lancifolia F. Muell.

Happy Jacks Plain; Round Mtn; Boobee Hut; Tibauds Hut; Munyang Ranges, 1525 m; Schlink Pass road above Geehi descent; Dicky Cooper Creek; Hotel Kosciusko; Perisher Creek, 1524 m; Pipers Creek; summit of Blue Cow, 1980 m; Sentinel Peak, 1917 m; Snowy R. between Guthega Dam & Spencers Creek, 1620 m; Perisher Valley; Evidence Valley, 2070 m; Perisher Gap; S. spur of Perisher, 1890 m; near Lake Albina; Charlotte Pass, 1875 m; Wrights Creek, 1830 m; Mt Kosciusko, treeline to 2200 m, 1980 m.

Persoonia chamaepeuce Lhotsky ex Meisn.

Happy Jacks Plain.

SANTALACEAE

Exocarpos nanus Hook. f.

Boobee Hut, Happy Jacks Plain; near Guthega Trig., 1880 m; Wragges Creek, 1600 m; Pretty Point; Bullrock Mtn; head of Pounds Creek, NE. slopes of Twynam, 1950 m; Snowy R., above Guthega Dam, 1600 m; Upper Pipers Creek; Charlotte Pass, 1875 m; Seamans Hut.

POLYGONACEAE

**Acetosella vulgaris* Fourr. *sens. lat.* (*Rumex acetosella* L.: Costin et al., 1979: 161.)

Happy Jacks Plains, 5 km from Grey Mare Track towards Happy Jacks Pondage; Hotel Kosciusko; Daners Gap, 1675 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Carruthers Peak; Club Lake, 1860 m; Betts Creek.

Muehlenbeckia axillaris (Hook. f.) Walp.

Jagungal Mtn; Dredbo R., Snowy Mtns.

**Polygonum arenastrum* Jord. ex Boreau

Between Daners Gap & Pipers Creek, 1650 m; Big Boggy, near Dead Horse Gap, 1550 m.

**Rumex crispus* L.

Diggers Creek Lake; Wragges Creek, 1585 m; Guthega Dam, 1590 m.

PORTULACACEAE

Montia australasica (Hook. f.) Pax & Hoffm. (*Neopaxia australasica* (Hook. f.) O. Nilss.: Costin et al., 1979: 167.)

Happy Jacks Plain; Dicky Cooper Creek, Schlink Pass road; Perisher Creek, 1554 m; Pipers Creek, near Wragges Creek, 1580 m; Pretty Point; Lower Twynam Cirque, 1950 m; Mt Twynam, 2103 m; near Smiggin Holes, 1645 m; Prussian Creek, 1640 m; Spencers Creek, 1720 m, 1738 m; Blue Lake; near Soil Conservation Hut, 1950 m; Carruthers Peak; Club Lake; Perisher Valley, 1830 m; near Charlotte Pass, 1980 m; Mt Kosciusko-Lake Albina track; Mt Kosciusko, 1830 m; Mt Stilwell, 1980 m; Seamans Hut; Mt Kosciusko, treeline to 2135 m; Mt Kosciusko summit; Snowy R. bridge, below Seamans Hut; Merritts Creek.

M. fontana L. ssp. *fontana*

Junction of Daners & Pipers Creeks, 1575 m; Prussian Creek, 1640 m.

CARYOPHYLLACEAE

**Arenaria serpyllifolia* L.

Between Mts Carruthers & Twynam.

**Cerastium fontanum* Baumg. ssp. *triviale* (Murb.) Jalas

Happy Jacks Plain; Munyang R. on Schlink Pass road, 1500 m; Daners Gap, 1645 m; between Mt Piper & Back Perisher, 1675 m; Perisher Creek, 1590 m; Pipers Creek, near Daners Gap; Smiggin Holes, 1675 m; Lower Spencers Creek, 1730 m; Snowy R. valley, 1845 m; Seamans Hut; Snowy R. bridge, below Seamans Hut; Big Boggy, 1600 m.

Colobanthus affinis (Hook.) Hook. f.

Mt Jagungal, 1980 m; above Blue Lake, 1960 m; ridge near Blue Lake, 1980 m; before turnoff to Blue Lake, 1960 m; Club Lake, 1860 m; NE. below Mt Northote, 1900 m; Muellers Peak, 2000 m; Mt Kosciusko, near summit; Rawson Pass, 2091 m; Seamans Flat; Lake Cootapatamba.

C. apetalus (Labill.) Druce var. *apetalus*

Happy Jacks Plain, 1475 m; Mt Kosciusko.

C. nivicola M. Gray

Below Gungartan; Blue Lake; junction of Lakes & Blue Lake tracks, 2000 m; Hedley Tarn, 1860 m; Club Lake, 1980 m; 1.6 km NNE. of summit, Mt Kosciusko, 2500 m; Mt Kosciusko district; near summit, Mt Kosciusko.

C. pulvinatus F. Muell.

Near summit, Gungartan, 2065 m; Mt Twynam, 2135 m; 1 km WSW. of Twynam Trig., 2135 m; Blue Lake; ridge W. of Blue Lake, 2000 m; Mt Carruthers; Carruthers Ridge, 2070 m; above Club Lake; Mt Northcote fieldmark; Mt Stilwell, 2050 m; summit of Mt Kosciusko, 2225 m; below & NE. of Rawson Pass, 2100 m; Rawson Pass; Mt Etheridge; above Lake Cootapatamba, 2080 m; Lake Cootapatamba.

**Sagina procumbens* L.

Happy Jacks Plain, 1475 m.

Scleranthus biflorus (Forst. & Forst. f.) Hook. f.

Happy Jacks Plain, 1490 m; Boobee Hut; O'Keefes Hut; Grey Mare track, 18 km from Happy Jacks road; Daners Gap, 1650 m; Guthega to Smiggin Holes; Guthega Dam, 1585 m; Blue Cow Creek, 1616 m; Back Perisher, above 1830 m; above Rocky Creek; below Lake Albina; Spencers Creek, 2040 m; Dead Horse Gap; Big Boggy, 1615 m; ridge between Big Boggy & Wombat Gully, 1700 m.

S. singuliflorus (F. Muell.) Mattf.

Below Gungartan; 0.8 km S. of Gungartan Trig.; between Guthega Trig. & Consett Stephen Pass, 1940 m; summit, Mt Tate, 2068 m; Spencers Creek, 1738 m, 1750 m; near summit, Carruthers Peak; 1.6 km above Rocky Creek; Mt Townsend, 1980 m; Lake Albina; Charlotte Pass; Trapyard Creek valley, 1800 m; Mt Stilwell, 1950 m; Kangaroo Range; just below Seamans Hut, 2010 m; Mt Kosciusko, treeline to 2135 m; Mt Kosciusko, summit area; Etheridge Range, 2136 m; S. below Mt Stilwell, 2000 m; Ramshead Range, E. of Merritts Spur.

**Silene vulgaris* (Moench) Garcke

Guthega Dam, 1590 m; E. of Carruthers Peak, 2080 m.

**Spergularia rubra* (L.) J. & C. Presl

Happy Jacks Plains; Diggers Creek, 1540 m; Daners Gap, 1660 m; between Mt Piper & Back Perisher; Mt Twynam; Prussian Creek; Blue Lake track, near Soil Conservation Hut, 1950 m; Mt Carruthers, 2104 m; Charlotte Pass-Blue Lake track, 1980 m; extreme S. end of Perisher Valley, 1750 m; Perisher Gap; summit, Mt Kosciusko, 2230 m.

Stellaria angustifolia Hook.

Happy Jacks Plain, 1460 m.

**S. graminea* L.

White R.; Diggers Creek Lake, 1500 m; Diggers Creek, 1524 m.

S. multiflora Hook.

Mt Jagungal, near summit; between Guthega Trig. & Consett Stephen Pass, 1940 m; Daners Gap, 1675 m; E. of Wragges Creek aqueduct intake; Prussian Creek, 1676 m; Carruthers Peak, near summit; Perisher Gap; 3 km up from Charlotte Pass.

S. pungens Brongn.

Happy Jacks Plain, 1490 m; Boobee Hut, Happy Jacks Plain; near Bald Hill, above Happy Jacks catchment, 1740 m; O'Keefes Hut, 1645 m; Daners Gap, 1645 m; Pretty Point; Smiggin Holes, 1675 m; Hotel Kosciusko to Betts Camp; Mt Kosciusko, 1830 m; Boogong Creek, near Dead Horse Gap, 1560 m.

RANUNCULACEAE

Caltha introloba F. Muell.

Slopes of Gungartan, 2000 m; 0.4 km SE. of Gungartan Trig.; head of Pounds Creek, Mt Twynam, 2000 m; ridge near Blue Lake, 1980 m; Lower Spencers Creek, 1730 m; Mt Carruthers, between creek & hut; Mt Kosciusko, 1770 m; Mt Northcote to Lake Albina, 2000 m; Munyang Range, 1830 m; Snowy R., 1830 m; Spencers Creek, 1860 m; Snowy R., 1950 m; NE. of summit of Mt Kosciusko; Mt Kosciusko summit; below snowpatch near summit, Mt Kosciusko, 2135 m; Mt Etheridge, E. slope below Seamans Hut; Merritts Creek; Lake Cootapatamba; headwaters, Big Boggy, 1650 m.

Ranunculus anemoneus F. Muell.

Slopes of Gungartan, 2000 m; Schlink Pass; below Guthega Trig., 1800 m; Tate East Ridge, 1700 m; Mt Twynam, 2103 m; Blue Lake region, c. 1980 m; Snowy R., above Guthega Dam, 1600 m; Smiggin Holes; Perisher; Club Lake; Lady Northcotes Canyon; Mt Townsend; Blue Lake track, above Lake Albina; Charlotte Pass; Muellers Peak; Upper Snowy R., 1860 m; Mt Kosciusko, summit, 2134 m, snowpatch near summit.

R. clivicola B.G. Briggs

Munyang R., on Schlink Pass road, 1500 m; Guthega R., near Snowy R.; Guthega Dam, 1585 m; Blue Cow Creek, 1620 m; Spencers Creek, below the road; E. of Paralyser, 1890 m, 1830 m; Betts Creek to Thredbo Saddle, 1770 m; Thredbo R. Gorge, near N. Ramshead; Merritts Spur, 1890 m; Thredbo Village ski-lift, 1830 m.

R. dissectifolius F. Muell. ex Benth.

Slopes of Gungartan, 2000 m; Perisher Creek, 1554 m; head of Wragges Creek, 1730 m; Smiggin Holes; Pipers Gap, 1705 m; The Perisher; Paralyser, 1950 m; Spencers Creek, 1750 m; Betts Creek, S. of the road, 1768 m; Charlotte Pass; The Chalet; Trapyard Creek; Mt Stilwell; Upper Snowy R., 1860 m; Munyang Mtns; Big Boggy, 1600 m.

R. graniticola Melville

Happy Jacks Plain, 1490 m; near Round Mtn; O'Keefes Hut; Dickie Cooper Creek; near Schlink Pass; Whites R. Hut, 1740 m; Boggy Plains; Plains of Heaven; Daners Gap, 1675 m; between Mt Piper & Back Perisher, 1675 m; NW. of Diggers Creek Reservoir, 1650 m; Guthega Dam, 1585 m; Pretty Point; Prussian Creek; 2 km SE. of Smiggins, 1700 m; Spencers Creek, 1705 m; Pipers Gap, 1705 m; Blue Lake; Mt Carruthers to Mt Northcote; Thredbo R. Gorge, E. of head of Spencers Creek, 1585 m; Charlotte Pass; Club Lake Creek, near Mt Clarke, 2135 m; below Mt Stilwell; Kangaroo Range; Seamans Hut; Rawson Pass; Dead Horse Gap; headwaters of Big Boggy, 1650 m.

R. gunnianus Hook.

The Kerries; head of Wragges Creek, 1730 m; Pipers Gap, 1705 m; above Blue Lake; Mt Carruthers, 2030 m; Perisher Valley, 1738 m; Guthries Creek, 1768 m; Spencers Creek, 1750 m; David Moraine; Betts Creek, 1768 m; Charlotte Pass, 1830 m; Muellers Peak; Upper Snowy R., 1860 m; Seamans Hut; Mt Kosciusko, NE. below the summit; Snowy R. bridge below Seamans Hut, 1980 m; Mt Kosciusko, 2135 m; above Lake Cootapatamba, 2070 m; Lake Cootapatamba, 1980 m; Big Boggy, 1650 m.

R. lappaceus Sm.

Happy Jacks Plain, 1490 m; Upper Tumut R.; Spencers Creek, 1645 m.

R. millanii F. Muell.

Happy Jacks Plain, 1490 m; Plains of Heaven, 1645 m, 1705 m; Wragges Creek, 1600 m; Guthega Dam, 1585 m; Thompson Plain; Pretty Point, 1705 m; below Club Lake, 1800 m; Mt Kosciusko, 1830 m; Lake Albina; Betts Creek, 1768 m; Snowy R., below Charlotte Pass; Mt Kosciusko, c. 90 m below summit; Upper Snowy R., 1860 m; Snowy R. bridge below Seamans Hut; Merritts Creek; Lake Cootapatamba, 2010 m; Big Boggy, 1600 m.

R. muelleri Benth. var. *brevicaulis* B.G. Briggs

Mt Carruthers, 2135 m; Mt Lee to Carruthers Peak; saddle between Mt Northcote & Carruthers Peak, 2000 m; near Lake Albina; S. of Mt Clarke.

R. muelleri Benth. var. *muelleri*

Mt Jagungal, 1980 m; SE. of Grey Mare Hut, 1560 m; Watsons Crags; Snowy R., between Spencers Creek & Guthega Dam, 1620 m; Mt Carruthers, 2050 m; below Hedley Moraine, 1890 m; Club Lake, 1860 m; Spencers Creek, 1738 m; N. slope of Club Lake Creek, 1845 m; Betts Creek, 1768 m; Charlotte Pass, 1830 m; Traynard Creek; Mt Stilwell; near Mt Stilwell; Upper Snowy R., 1860 m; Seamans Hut; Rawson Pass; Etheridge Range, 2070 m; Snowy R. bridge, below Seamans Hut; 2.5 km SW. of Mt Stilwell, 1950 m; above Lake Cootapatamba, 2070 m; Lake Cootapatamba, 2010 m; Mcrritts Creek, near N. Ramshead.

R. niphophilus B.G. Briggs

Carruthers-Twynam saddle; Blue Lake cirque, 1940 m; Blue Lake; near Soil Conservation Hut, N. of Carruthers Peak, 2010 m; Carruthers Peak; Club Lake, 1860 m, 1920 m, 1980 m; Lake Albina; SE. slopes of Mt Guthrie, 1768 m; Snowy R. below Charlotte Pass; near Mt Stilwell; NE. below summit, Mt Kosciusko; Mt Kosciusko, 2135 m, 1980 m; Lake Cootapatamba, 2070 m; Mcrritts Spur; Thredbo Gorge, S. of N. Ramshead; Boogong Creek, below Dead Horse Gap, 1554 m.

R. papulentus Melville

Happy Jacks Plain, 1460 m; above Daners Gap, Plains of Heaven track, 1705 m, 1645 m; Daners Gap, 1645 m; near reservoir, Diggers Creek; Perisher Creek, 1554 m; junction of Wragges & Pipers Creeks, 1585 m; N. of Pretty Point, 1700 m; Pipers Gap; Charlotte Pass, Snowy R.

R. pimpinellifolius Hook.

Happy Jacks Plain, 1490 m; near Round Mtn; Boobee Hut, Happy Jacks Plain; Whites R., 1525 m; Kosciusko Hotel; Boggy Plains; Plains of Heaven track, 1645 m; Perisher Creek, 1554 m; 3 km NNW. of Smiggin Holes, 1705 m; junction of Wragges & Pipers Creeks, 1585 m; Guthega Dam, 1585 m; Pipers Gap; E. slope of Paralyser, 1890 m; Charlotte Pass, Snowy R.; Big Boggy, 1600 m, 1650 m.

R. productus B.G. Briggs

Lake-edge, Hotel; Diggers Creek, 1524 m; Pipers Creek valley, 1580 m; Wragges Creek, 1630 m; Blue Cow Creek, 1615 m; Prussian Creek; Smiggin Holes, 1768 m; Perisher Gap.

R. scapiger Hook.

Plains of Heaven track, 1705 m; Daners Gap; Hannels Spur.

WINTERACEAE

Tasmannia xerophila (Parmentier) M. Gray

Happy Jacks Plain, 1490 m; Boobee Hut, Happy Jacks Plain; Upper Tumut R., 1615 m; end of Grey Mare Range, 1580 m; Island Bend turn-off from Kosciusko Road; Hotel Kosciusko; Daners Gap, 1675 m; Smiggin Holes-Guthega road, 1675 m; N. slope of Blue Cow, 1890 m; Blue Cow Creek, 1615 m; Sentinel Peak; Pipers Creek, 1615 m; junction of Spencers Creek & Snowy R.; S. spur of Perisher, 1890 m; 0.4 km SW. of summit of Paralyser; E. slopes of Mt Guthrie, 1768 m; Thredbo, near top of ski-lift, 1830 m; Dead Horse Gap.

BRASSICACEAE

Barbarea australis Hook. f.

Jagungal Mtn; c. 1.5 km W. of Schlink Pass; Diggers Creek, 1524 m; Pipers Creek, 2 km below Smiggins Ridge; junction of Wragges & Pipers Creeks, 1585 m; Smiggin Holes to Guthega; Club Lake; beyond Charlotte Pass; Thredbo R. Gorge, 1585 m; headwaters, Big Boggy, 1600 m.

**Capsella bursa-pastoris* (L.) Medik.

W. of Twynam Trig., 2180 m; top of Carruthers-Twynam ridge; Soil Conservation Hut, N. of Carruthers Peak; Spencers Creek, 1750 m.

Cardamine sp., with small flowers.

Happy Jacks Plain; Big Jagungal, 2010 m; Perisher Creek, 1554 m; Daners Gap; between Mt Piper & Back Perisher, 1675 m; summit, Blue Cow, 1980 m; Blue Cow Creek, 1615 m; Smiggin Holes, 1675 m; Club Lake, 1860 m; S. spur of Perisher, 1890 m; Guthries Creek, 1768 m; Northcote Spur, above Lake Albina; Mt Northcote, 1995 m; Charlotte Pass, 1875 m; Mt Stilwell, 1890 m; Etheridge Range; Mt Kosciusko, treeline to 2135 m; near Lake Cootapatamba.

C. sp., with large flowers.

Windy Creek; Blue Lake; above Hedley Tarn; Club Lake; near Mt Townsend, 2135 m; Thredbo R. Gorge, opposite head of Spencers Creek; S. slope of Muellers Peak; Mt Kosciusko, 2135 m; Lake Cootapatamba.

Drabastrum alpestre (F. Muell.) O.E. Schulz

Happy Jacks Plain, 1490 m.

**Erophila verna* (L.) Chevall. ssp. *verna*

Happy Jacks Plain; Daners Gap.

**Hirschfeldia incana* (L.) Lagrèze-Fossat

Wragges Creek, 1575 m; Prussian Creek, 1585 m; near Pipers Gap, 1720 m.

**Lepidium campestre* (L.) R. Br.

NE. of Daners Gap, 1620 m; between Prussian & Wragges Creek, 1600 m; between Smiggin Holes & Wragges Creek; Perisher Gap.

RESEDACEAE

**Reseda luteola* L.

Between Daners Gap & Wragges Creek, 1600 m.

DROSERACEAE

Drosera arcturi Hook.

Mt Jagungal, 1950 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Guthega R., 1600 m; Spencers Creek, 1700 m, 1720 m, 1738 m; The Chalet; Snowy R., 1740 m; Betts Creek; below Mt Stilwell, 1980 m; just below Seamans Hut, 2010 m; Mt Kosciusko, treeline to 2135 m, 2135 m; below Lake Cootapatamba.

D. peltata Sm. ex Willd.

9 km towards Happy Jacks Pondage from Grey Mare track; Happy Jacks Plain, 1460 m; Pretty Point; Snowy R. between Spencers Creek & Guthega Dam, 1620 m; Dead Horse Gap.

CRASSULACEAE

Crassula helmsii (T. Kirk) Cockayne

Diggers Creek, 1524 m; Diggers Creek Reservoir, 1640 m.

C. sieberana (Schult. & Schult. f.) Druce

Big Jagungal, 1920 m; Blue Lake; Carruthers Peak; S. spur of Perisher, 1890 m; Mt Kosciusko, treeline to 2135 m.

PITTOSPORACEAE

Rhytidosporum alpinum McGillivray

0.8 km NW. of Round Mtn, 1600 m; Happy Jacks Plain, 1490 m; Barneys Creek valley; McKcahnics Creek catchment, Happy Jacks Plain; Tibeaude Creek Hut, 1530 m; Pipers Creek valley, 1646 m; Mt Kosciusko.

ROSACEAE

Acaena agnipila Gandoger

Happy Jacks Plain, 1490 m; Diggers Creek, 1540 m.

A. sp. (aff. *anserinifolia* (Forst. & Forst. f.) Druce)

Boobie Hut, Happy Jacks Plain; Mt Jagungal, 1980 m; The Kérries; Daners Gap, 1676 m; along Snowy R. below Charlotte Pass; S. side below Mt Stilwell, 2000 m; 0.8 km above Charlotte Pass, on road; Mt Kosciusko, 1525 m-2135 m; Thredbo R. Gorge, 1615 m.

- A. novae-zelandiae* Kirk
Diggers Creek Reservoir, 1640 m.
- A. ovina* A. Cunn.
N. of Happy Jacks road, 1500 m; Happy Jacks Plain, 1490 m; McKeahnies Creek catchment, Happy Jacks Plain; Diggers Creek Lake, 1500 m; Pipers Creek valley, 1580 m; Mt Piper, 1760 m; Smiggin Holes.
- **Alchemilla xanthochlora* Rothm.
Head of Whites R.; near Whites R. Hut; Tate E. Ridge, above Guthega Dam; Guthega Dam, 1585 m; Spencers Creek, 0.8 km below road bridge; head of Blue Lake, 1920 m; Lake Albina; Mt Kosciusko, treeline to 2135 m; Thredbo R. Gorge, 1615 m.
- **Aphanes arvensis* L.
S. of Brooks Hut; Rawson Pass.
- Geum urbanum* L.
Sponars Lake, Diggers Creek; near Diggers Creek Lake, 1500 m.
- **Potentilla recta* L.
Boobee Hut, Happy Jacks Plain; between Daners Gap & Pipers Creek, 1650 m.
- **Rosa rubiginosa* L.
Diggers Creek Reservoir, 1646 m; Guthega Dam, 1590 m.
- Rubus parvifolius* L.
Pipers Creek valley, 1560 m; Mt Piper, 1760 m; Thredbo escarpment near Prussian Plain, 1680 m.

MIMOSACEAE

- Acacia alpina* F. Muell.
Toolong Range near Round Mtn; Munyang Range, 1524 m; Perisher Creek, 1524 m; above Perisher Creek, 1560 m; below Blue Cow, Smiggin Holes to Guthega; Guthega, 1830 m.
- A. obliquinervia* Tindale
Tolbar road near Happy Jacks Plain; Munyang Range, 1524 m; above Dicky Cooper Creek, 6 km W. of Schlink Pass; above Perisher Creek, 1560 m; Mt Kosciusko, up to 1675 m; Townsend to Geehi Flat, 1570 m; Dead Horse Gap.
- A. siculiformis* A. Cunn. ex Benth.
Snowy R., below Guthega Dam, 1560 m; Wragges Creek, 1575 m.

FABACEAE

- Bossiaea foliosa* A. Cunn.
Happy Jacks Plain; O'Keefes Hut, Grey Mare track; Upper Geehi R.; Dicky Cooper Creek; near Hotel, Mt Kosciusko; Hotel Kosciusko to Bctts Camp; Mt Kosciusko, 1675 m; Pretty Point; Pipers Gap, 1738 m; Hannels Spur, c. 1525 m; Kraekenback Mtn, 1524 m; Thredbo R. Gorge, S. of Spencers Creek, 1585 m.
- Daviesia mimosoides* R. Br.
Mt Kosciusko. Probably only montane.
- Hovea* sp. (*H. purpurea* Sweet var. *montana* Hook. f.)
Happy Jacks Plain, 1490 m; Boobee Hut, Happy Jacks Plain; Schlink Pass road, spur above Geehi descent; Dickie Coopers Bogong to Valentine R.; Island Bend turn-off, Kosciusko road; between Guthega & Perisher Creek; Daners Gap, 1650 m, 1670 m; Pipers Creek; Perisher Creek, 3 km NW. of Smiggin Holes; Smiggin Holes, 1675 m; below Hedley Tarn; Snowy R., below Charlotte Pass, 1830 m; Charlotte Pass, 1875 m; The Chalet; Mt Stilwell, 1890 m; Dead Horse Gap; ridge between Big Boggy & Wombat Gully, 1700 m.
- **Lotus pedunculatus* Cav.
Guthega ski-lodges, 1645 m; Pipers Creek valley, 1580 m.
- **Medicago lupulina* L.
Guthega Dam, 1590 m.

- **M. sativa* L.
Perisher Gap, 1800 m.
- **Melilotus alba* Medik.
Between Daners Gap & Pipers Creek, 1650 m.
- Oxylobium alpestre* F. Muell.
Happy Jacks Plain, 1490 m; Toolong Range; near Round Mtn; Dargals Range, 1500 m; Schlink Pass road, spur above Geehi descent; Dickie Cooper Creek; NW. slope of Gungartan; Sentinel Ridge, 1830 m; Dead Horse Gap.
- O. ellipticum* (Labill.) R. Br.
Happy Jacks Plain; near Round Mtn; S. of Round Mtn; Rennix Gap, 1645 m; near Hotel Kosciusko; Perisher Creek; Daners Gap; summit, Blue Cow, 1980 m; Wragges Creek; Pretty Point; Bullrock Mtn; Smiggin Holes; Perisher Valley; Townsend to Geehi Flat track, 1705 m; Betts Camp; S. spur of Perisher, 1890 m; Charlotte Pass Mtn; Kangaroo Ridge; Mt Kosciusko, treeline to 2135 m; Munyong Mtns; Dead Horse Gap.
- Pultenaea fasciculata* Benth.
Happy Jacks Plain, 1490 m; Barneys Creek valley, 1550 m; Rennex Gap; Diggers Creek Lake, 1500 m; Diggers Creek, 1540 m; Daners Gap; Pipers Creek valley, 1560 m; Wragges Creek; headwaters, Prussian Creek; Hotel Kosciusko to Betts Camp; Bullrock Mtn; Big Boggy, 1650 m.
- **Trifolium ambiguum* Bieb.
Daners Gap, 1675 m.
- **T. arvense* L.
Kangaroo Range, c. 6 km from Summit.
- **T. hybridum* L.
Diggers Creek, 1525 m; Perisher Creek, 1554 m.
- **T. pratense* L.
Daners Gap, 1675 m; between Pipers & Wragges Creeks, 1600 m; between Prussian & Wragges Creeks, 1600 m; 1.6 km beyond Charlotte Pass.
- **T. repens* L.
Perisher Creek, 1554 m; Daners Gap, 1675 m; between Wragges & Pipers Creeks, 1600 m; between Prussian & Wragges Creeks, 1600 m; near Rawsons Pass.

GERANIACEAE

Geranium antrorsum Carolin

Brooks Hut, Happy Jacks Plain; Barneys Creek; Boobee Hut, Happy Jacks Plain; O'Keefes Hut, Happy Jacks Plain; Mt Jagungal; Whites R. Hut; Pipers Creek valley, 1580 m; Mt Piper, 1750 m; Hotel Kosciusko Dam; Guthega Dam; c. 2.5 km above Charlotte Pass; Boogong Creek, 1560 m; Big Boggy, 1615 m; ridge between Big Boggy & Wombat Gully, 1700 m.

G. obtusisepalum Carolin

9 km towards Happy Jacks pondage from Grey Mare track; Kosciusko Hotel Dam; Munyang (?R.), 1675 m.

G. potentilloides L'Hérit. ex DC. var. *abditum* Carolin

Between Mt Piper & Back Perisher, 1675 m; Guthega R., 1585 m; Blue Cow Creek, 1675 m; Pretty Point; Perisher Gap; Spencers Creek; slopes of Kangaroo Range, above Charlotte Pass.

G. potentilloides L'Hérit. ex DC. var. *potentilloides*

Near Round Mtn; O'Keefes Hut, 1645 m; lower slopes of Gungartan, 1900 m; Moon Rock to Pretty Point, 1800 m; S. slopes of Little Twynam; Blue Lake; Lake Albina; Upper Betts Creek, 1760 m; Spencers Creek, 1830 m; Trapyard Creek; between Snowy R. & Summit road, below Kangaroo Range; Seamans Hut; 6 km S. of Abbotts Peak, 1860 m.

- G. sessiliflorum* Cav. ssp. *brevicaule* (Hook.) Carolin
Whites R. Hut; Daners Gap; Pipers Creek valley, 1580 m; Mt Piper, 1750 m;
Spencers Creek, near Betts Creek, 1738 m.
- G. solanderi* Carolin var. *solanderi*
Guthega; Thredbo R.
- Pelargonium australe* Willd.
Upper Tumut R., near Mt Jagungal; Dickie Cooper Creek; Windy Ridge; Schlink
Pass-Munyang road, near bridge.
- P. helmsii* Carolin
Schlink Pass road, near Dicky Cooper Creek crossing; Whites R. Hut; near head
of Whites R.; extreme SE. end of Perisher Valley,, 1750 m; track from Charlotte
Pass to Blue Lake, 1830-1890 m; Snowy R. below Charlotte Pass.

OXALIDACEAE

- Oxalis exilis* A. Cunn.
Toolong Range, near Round Mtn; Perisher Creek, 1524 m; Blue Cow Creek,
1650 m.

LINACEAE

- Linum marginale* A. Cunn. ex Planch.
Happy Jacks Plain; near Happy Jacks Creek; O'Keefes Hut, 1645 m; Rennix
Gap; Daners Gap, 1675 m; Wragges Creek, 1600 m; Upper Pipers Creek;
Smiggin Holes, 1675 m; Big Boggy, 1615 m; headwaters, Big Boggy, 1650 m.

RUTACEAE

- Asterolasia trymalioides* F. Muell.
Happy Jacks Plain; between Happy Jacks road & Happy Jacks Creek;
McKeahnies Creek; Grey Mare Hut; Grey Mare Range, between Grey Hill &
Grey Mare, 1600 m; Daners Gap to Wragges Creek, 1620 m; Wragges Creek,
1600 m; Smiggin Holes, 1675 m; Prussian Creek, 1646 m.
- Boronia algida* F. Muell.
Happy Jacks Range, 1524 m; Toolong Range, near Round Mtn; Grey Mare track;
Jagungal, 1768 m; 4.8 km N. of Geehi Reservoir substation, 1540 m; Dickie
Cooper Creek; Grey Mare Range, 1500 m.
- Correa lawrenciana* Hook. var. *rosea* P.G. Wilson
Upper Geehi.
- Phebalium ovatifolium* F. Muell.
Mt Jagungal, 1.5 km SSE. of summit, 1850 m; Grey Mare Range, 1800 m; near
Whites R. Hut, 1700 m; Windy Creek; summit, Blue Cow, 1980 m; Snowy R.,
between Guthega Dam & Spencers Creek, 1680 m; Smiggin Holes; Pipers Gap,
1738 m; Mt Kosciusko to Pipers Gap, 1738 m; S. spur of Perisher, 1890 m; Lake
Albina; E. slopes of Mt Guthrie, 1768 m; Charlotte Pass, 1830 m; Mt Mueller;
Mt Stilwell; Seamans Hut; Mt Kosciusko, treeline to 2135 m; Mt Kosciusko, N.
slope, 2140 m; Ramshead Range, 0.2 km NW. of chairlift restaurant, 1920 m.
- P. phyllicifolium* F. Muell.
Near Alpine Hut, Big Brassy; Schlink Pass road, S. of Munyang R. crossing;
Daners Gap, 1650 m; Pipers Creek valley, 1580 m, 1646 m; below Moon Rock,
1620 m; near Smiggin Holes; Big Boggy, 1600 m.
- P. squamulosum* Vent. ssp. *alpinum* (Benth.) P.G. Wilson (approaching ssp.
ozothamnoides (F. Muell.) P.G. Wilson)
Happy Jacks Range, 1525 m; near Round Mtn, 1646 m; Mt Jagungal; 4.3 km N.
of Geehi Reservoir substation, 1600 m; lower slopes of Gungartan, 1900 m;
0.8 km N. of Schlink Pass; Whites R. Hut, 1738 m; Windy Creek; intersection of
Island Bend, Guthega & Smiggins roads; Snowy R. between Guthega Dam &
Spencers Creek, 1680 m.

POLYGALACEAE

Comesperma retusum Labill.

Happy Jacks Plain, 1490 m; Boobee Hut, Happy Jacks Plain; McKeahnies Creek catchment; Big Jagungal; Dickie Cooper Creek; Hotel Kosciusko, 1554 m; NW. of Diggers Creek Reservoir, 1650 m; Pretty Point; Bullrock Mtn.

EUPHORBIACEAE

Poranthera microphylla Brongn.

Happy Jacks Plain, 1490 m; Barneys Creek, Happy Jacks Plain; Grey Mare Range, 1800 m; near Whites R. Hut, 1768 m; Daners Gap, 1675 m; between Mt Piper & Back Perisher, 1675 m; Pretty Point, 1675 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Smiggin Holes; Spencers Creek, 1768 m.

STACKHOUSIACEAE

Stackhousia pulvinaris F. Muell.

Between Guthega Dam & Consett Stephen Pass, 1930 m; Wragges Creek, 1650 m; head of Pounds Creek, 1950 m; Prussian Creek, 1737 m; Spencers Creek, 1738 m; Mt Carruthers, 2100 m; below Hedley Moraine; Seamans Hut-Lake Albina track; W. slopes of Mt Northcote, 1980 m; S. of head of Wrights Creek, 2000 m; Mt Stilwell, 1950 m; Mt Kosciusko, treeline to 2135 m; Snowy R. bridge, below Seamans Hut; Merritts Creek, 1950 m; above Lake Cootapatamba; Ramshead Range, E. of Merritts Creek, 1950 m.

MALVACEAE

**Malva nicaeensis* All.

Guthega Dam, 1600 m.

HYPERICACEAE

Hypericum japonicum Thunb.

Happy Jacks Plain, 1460 m; near Grey Mare track, Happy Jacks Plain; Boobee Hut, Happy Jacks Plain; Rennex Gap; Daners Gap, 1675 m; Wragges Creek, 1600 m; Blue Cow Creek, 1615 m; Snowy R., 1620 m; Thredbo R. Gorge, 1645 m; Big Bogy, 1615 m, 1650 m.

ELATINACEAE

Elatine gratioloides A. Cunn.

Diggers Creek Reservoir, 1640 m.

VIOLACEAE

Hymenantha dentata R. Br. ex Ging.

Big Jagungal; Hotel Kosciusko; Pipers Creek, 1600 m; Blue Cow Creek, 1620 m; Blue Lake; Club Lake, 1860 m; S. spur of Perisher, 1890 m; Betts Creek, 1700 m; Snowy R., below Charlotte Pass; Upper Trapyard Creek; summit, Mt Kosciusko; Snowy R. bridge, below Seamans Hut.

**Viola arvensis* Murr.

Diggers Creek Lake, 1500 m; Diggers Creek, 1524 m; near The Chalet.

V. betonicifolia Sm. ssp. *betonicifolia*

Happy Jacks Plain, 1490 m; Boobee Hut, Happy Jacks Plain; Dickie Cooper Creek bridge, Schlink Pass road; Daners Gap, 1675 m; Pipers Creek, 1524 m; between Mt Piper & Back Perisher, 1675 m; Mt Carruthers, 2100 m; Spencers Creek; Charlotte Pass; Mt Stilwell, 1980 m; Mt Kosciusko, treeline to 2135 m; Snowy R. bridge, below Seamans Hut; Ramshead Range; ridge between Big Bogy & Wombat Gully, 1700 m.

V. sieberana Spreng.

Barneys Creek, 1490 m; Perisher Creek, 1590 m; Wragges Creek, 1575 m; Blue Cow Creek, 1615 m; Snowy R. between Guthega Dam & Spencers Creek, 1680 m; Spencers Creek, 1738 m; Guthrie Range, above Spencers Creek, 1800 m; head of Spencers Creek, 1860 m.

THYMELAEACEAE

Kelleria tasmanica (Hook. f.) Domke (*Drapetes tasmanicus* Hook. f.: Costin et al., 1979: 191.)

Carruthers-Twynam ridge feldmark; above Blue Lake; above Soil Conservation Hut, N. of Carruthers Peak; Mt Carruthers; The Perisher; ridge between Lake Albina & Club Lake, 2070 m; above Club Lake; near Lake Albina; Club Lake Creek, 1800 m; Mt Lee-Mt Northcote saddle, 2100 m; Mt Kosciusko, treeline to 2135 m; Snowy R., 1950 m; 2.5 km SE. of Seamans Hut; Ramshead Range, E. of Merritts Spur, 1920 m.

Pimelea alpina F. Muell. ex Meisn.

Happy Jacks Plain; near Dickie Coopers Hut; Windy Creek; Boggy Plains; N. slope of Blue Cow, 1890 m; Smiggin Holes; Soil Conservation Hut, N. of Carruthers Peak; Perisher, 1768 m; S. spur of Perisher, 1890 m; above Lake Albina, 2070 m; Spencers Creek; Club Lake Creek, near Mt Clarke, 1830 m; Charlotte Pass; between Mt Kosciusko & Muellers Peak, 2100 m; Mt Stilwell, 1980 m; just below Seamans Hut, 2010 m; summit, Mt Kosciusko.

P. axiflora F. Muell. ex Meisn. ssp. (var. *alpina* F. Muell. ex Benth.)

Dickie Cooper Creek; Daners Gap; c. 30 m below Daners Gap; Guthega, above dam, 1615 m; Pretty Point; Sentinel Peak; Pipers Gap, 1768 m; S. spur of Perisher, 1890 m; Mt Kosciusko, 1830 m; slopes of Mt Stilwell; Seamans Hut; below Seamans Hut; Mt Kosciusko, treeline to 2135 m.

P. biflora N.A. Wakefield

Happy Jacks Plain, 1490 m; Barneys Creek valley; Boobee Hut, Happy Jacks Plain; near Bald Hill; O'Keefes Hut, Happy Jacks Plain; Island Bend turn-off, Kosciusko road; Daners Gap, 1675 m; Hotel Kosciusko Reservoir; Spencers Creek, 1730 m, 1750 m; near Rock Creek; head of Spencers Creek, 1800 m.

P. ligustrina Labill. ssp.

Toolong Range; Boobee Hut, Happy Jacks Plain; near Bald Hill; Jagungal; Dickie Cooper Creek, Schlink Pass road; Schlink Pass, 1675 m; near Rennex Gap; near Hotel Kosciusko; Perisher Creek; Smiggin Holes-Guthega road; Daners Gap; summit, Blue Cow, 1980 m; Pretty Point, 1675 m; Sentinel Peak; creek W. of The Perisher, 1800 m; S. spur of The Perisher, 1890 m; Hannells Spur; Spencers Creek; between Charlotte Pass & Snowy R., 1768 m; Kangaroo Range; Mt Kosciusko, treeline to 2135 m.

P. linifolia Sm. ssp.

Happy Jacks Plain, 1490 m; McKeahnies Creek catchment, Happy Jacks Plain.

MYRTACEAE

Baeckea gunniana Schauer

Happy Jacks Plain, 1490 m; Barneys Creek valley, Happy Jacks Plain; Jagungal; summit, Blue Cow, 1980 m; Snowy R., 1.6 km above Guthega R. junction, 1675 m; Smiggin Holes; Mt Kosciusko, 1675 m to the summit; Betts Camp to Mt Kosciusko; Spencers Creek; along Snowy R., below Charlotte Pass; Summit road, Kangaroo Range; Lake Cootapatamba, 2060 m; Big Boggy, 1600 m.

B. utilis F. Muell. ex Miq.

Boobee Hut, Happy Jacks Plain; Tumut R. waterfall, below Mt Jagungal, 1615 m; near Schlink Pass, 1800 m; Smiggin Holes to Guthega, 1640 m; Perisher Creek valley; Pretty Point, 1705 m; Snowy R., 1.6 km above Guthega Dam, 1675 m; Spencers Creek; Betts Camp to Mt Kosciusko; Kangaroo Range; 2.5 km above Charlotte Pass; Mt Kosciusko, near summit, Snowy R. bridge, below Seamans Hut; near Lake Cootapatamba.

Callistemon pallidus (Bonpl.) DC.

Upper Geehi. Probably only montane.

C. sieberi DC.

Happy Jacks Plain, 1490 m; Boobee Hut, Happy Jacks Plain; Diekie Cooper Creek; Hotel Koseiusko; Smiggin Holes-Guthega road; Perisher Creek, 1524 m; Hotel Koseiusko to Betts Camp; Pretty Point, 1705 m; Smiggin Holes; Thredbo R. Gorge, 1675 m; Dead Horse Gap; Big Boggy, 1554 m.

Eucalyptus glaucescens Maiden & Blakely

Munyang R., 1675 m; 1 km NW. of Guthega Power Station, 1560 m; Smiggin Holes-Guthega road, below Blue Cow; Upper Pipers Creek.

E. kybeanensis Maiden & Cambage

Munyang Range, 1524 m; Geehi R., 1524 m, 1615 m; Perisher Creek, near Snowy R., 1524 m.

E. pauciflora Sieber ex Spreng. ssp. *niphophila* (Maiden & Blakely) L.A.S. Johnson & Blaxell

Above McKeahnies Creek, beside Grey Mare track; Mt Kosciusko, 1524 m; Boggy Plains; Mt Koseiusko, 1675 m; Daners Gap, 1675 m; Hotel Koseiusko Reservoir; Wragges Creek; Guthega, 1830 m; Pretty Point; above Guthega Dam, 1645 m; Upper Pipers Creek, 1585 m; Perisher Creek, 1675 m; The Perisher, 1890 m; 1.6 km N. of Betts Camp; S. spur of Perisher, 1890 m; Charlotte Pass; Mt Koseiusko, 1980 m; Dead Horse Gap.

E. perriniana F. Muell. ex Rodway

Upper Geehi R.; Geehi-Guthega road, 1520 m; between Rennex Gap & Wilsons Valley; Hotel, Mt Koseiusko; W. of Hotel Koseiusko; Perisher Creek, 1524 m; below Daners Gap; Pipers Creek valley, 1580 m; Smiggin Holes-Guthega Camp road; Guthega Dam area.

E. stellulata Sieber ex DC.

Above McKeahnies Creek; Geehi-Guthega road, 1520 m; Hotel Koseiusko; Diggers Creek, 1524 m; Ramshead Range, E. of Boggy Plain.

Kunzea muelleri Benth.

Happy Jacks Plain, 1490 m; near Round Mtn; near Schlink Pass, 1675 m; Diekie Cooper Creek; near Rennex Gap; Daners Gap, 1660 m; Hotel Koseiusko to Betts Camp; Mt Kosciusko, 1524 m to summit; Wragges Creek; Snowy R., below Guthega Dam, 1550 m; Blue Cow Creek, 1675 m; Bullroek Mtn; near Twynam Cirque; Prussian Creek; Blue Lake, 1900 m; Mt Koseiusko, 1830 m; Perisher Gap; Lake Albina; Spencers Creek, 1738 m; Charlotte Pass-Blue Lake, 1830 m-1890 m; Charlotte Pass; Big Boggy, 1600 m.

Leptospermum lanigerum (Ait.) Sm. *sens. lat.*

Perisher Creek, 1524 m; Dead Horse Gap, 1554 m.

L. obovatum Sweet

Upper Snowy R., 1.6 km upstream of Guthega R. junction, 1600 m; Snowy R., above Guthega Dam, 1620 m; Snowy R., at bridge near Illawong Hut, 1620 m.

ONAGRACEAE

Epilobium billardierianum Sér. ssp. *cinereum* (A. Rieh.) Raven & Engelhorn

Happy Jacks Plain; O'Keefes Hut; Rennix Gap; Daners Gap, 1676 m; between Mt Piper & Back Perisher, 1675 m; Diggers Creek Reservoir, 1650 m; below Guthega Dam, 1560 m.

E. billardierianum Sér. ssp. *hydrophilum* Raven & Engelhorn

Barneys Creek valley; Boobee Hut, Happy Jacks Plain; Mt Jagungal; near Rennex Gap; Hotel Reservoir catchment.

**E. ciliatum* Raf.

Near Sponars Lakeside Inn, Diggers Creek; Wragges Creek, 1585 m.

E. curtisiae Raven

Sheepyard Creek, near junction with Happy Jacks Creek; Toolong Range, near Round Mt; Grey Mare track; Tibauds Hut, Grey Mare track; Daners Gap, 1620 m; Diggers Creek Reservoir, 1640 m; Wragges Creek, 1650 m; Upper Diggers Creek valley, 1680 m; Thompsons Plain, 1760 m.

E. gunnianum Hausskn.

Toolong Range, near Round Mt; Boobee Hut, Happy Jacks Plain; 1.6 km beyond Schlink Pass; below Gungartan, 1980 m; junction of Schlink Pass road & aqueduct above Munyang R.; between Mt Piper & Back Perisher, 1650 m; 5 km NNW. of Smiggin Holes; Diggers Creek Reservoir, 1640 m; Guthega R.; below Guthega Dam; Blue Cow Creek, 1650 m; Pretty Point; Lower Twynam Cirque, 1950 m; Lower Spencers Creek, 1730 m; Pipers Gap, 1750 m; Soil Conservation Hut, near Carruthers Peak; Betts Camp; near Betts Creek, 1750 m; track from Charlotte Pass to Blue Lake, 1800 m; near Charlotte Pass; near Kosciusko Chalet; Mt Kosciusko, snowpatch near summit; Snowy R. bridge, below Seamans Hut; Dead Horse Gap; headwaters, Big Boggy, 1650 m; Cascade Trail, near Dead Horse Gap, 1585 m.

E. hirtigerum A. Cunn.

Near Rennex Gap.

E. sarmentaceum Hausskn.

Above Guthega Dam; S. spur of Perisher, 1860 m; end of ridge between Trapyard & Betts Creeks, 1880 m; Mt Stilwell, 1950 m; Mt Kosciusko, 6 km below Rawson Pass, 1920 m; Seamans Hut; Etheridge crags, above Seamans Hut; Snowy R. bridge, below Seamans Hut.

E. tasmanicum Hausskn.

Summit of Gungartan, 2065 m; summit, Blue Cow, 1950 m; 1 km WSW. of Twynam Trig., 2135 m; Pipers Gap; ridge W. of Blue Lake, 2000 m; head of Blue Lake, 1920 m; Carruthers Peak, 2025 m; saddle above Lake Albina, Blue Lake track; near Club Lake; Guthrie Range, above Spencers Creek, 1800 m; near Betts Creek, 1750 m; track from Charlotte Pass to Blue Lake, 1830 m-1890 m; Muellers Peak, 2000 m; Mt Stilwell, 1950 m, 2050 m; 6 km below Rawson Pass, 2100 m; just below Seamans Hut, 2010 m; NE. below summit, Mt Kosciusko; Etheridge Range, 2012 m; near Lake Cootapatamba; between Ramshead & Thredbo R.

**Oenothera erythrosepala* Borb.

Above Pipers Creek, below Daners Gap, 1600 m; Wragges Creek, 1575 m.

HALORAGACEAE

Gonocarpus micranthus Thunb. ssp. *micranthus*

Happy Jacks Plain, 1490 m; Boobee Hut area, Happy Jacks Plain; Diggers Creek, 1554 m; between Mt Piper & Back Perisher, 1675 m; Wragges Creek, 1600 m; Blue Cow Creek, 1615 m; Pretty Point; Lower Twynam Cirque, 1950 m; head of Pounds Creek; Prussian Creek; Spencers Creek, 1705 m; Blue Lake; below Mt Stilwell, 1980 m; Kangaroo Range; Etheridge Range, 2012 m; Snowy R., 1950 m.

G. montanus (Hook. f.) Orchard

Happy Jacks Plain, 1490 m; Barneys Creek valley, 1585 m; below & W. of Mt Tate; Daners Gap, 1675 m; Pipers Creek valley, 1580 m; Blue Cow Creek, 1615 m; Thompsons Plain; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Spencers Creek, 1730 m; Blue Lake; Upper Snowy R., 1920 m; Munyong Mtns, 1525 m-1830 m; near Snowy R. bridge below Seamans Hut.

Myriophyllum pedunculatum Hook. f.

Junction of tributary of Happy Jacks Creek & Grey Mare track; Daners Gap, 1675 m; Diggers Creek Reservoir, 1646 m; Thompsons Plain, 1760 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Spencers Creek, 1730 m, 1830 m; lower part of Trapyard Creek; Mt Kosciusko area, 2134 m; Lake Cootapatamba, 2040 m; 3 km SSW. of Mt Kosciusko, 1890 m.

M. propinquum A. Cunn. *sens. lat.*

Happy Jacks Plain, 1460 m; 3 km from Grey Mare track junction with Happy Jacks road, towards Happy Jacks Pondage; Diggers Creek Lake, 1500 m; Diggers Creek, 1524 m; Diggers Creek Reservoir, 1650 m; the Big Boggy, 1600 m.

ARALIACEAE

Polyscias sambucifolia (Sieber ex DC.) Harms

Hotel, Mt Kosciusko; N. of Pretty Point, 1700 m; Pretty Point; Bobs Ridge, N. of Cascade Creek, Tin Mine trail.

APIACEAE

Aciphylla glacialis (F. Muell.) Benth.

Dargals, 10 km ENE. of Khancoban; below Guthega Trig., 1800 m; N. slope of Blue Cow, 1890 m; Snowy R. between Spencers Creek & Guthega Dam, 1620 m; Mt Carruthers, 2010 m; above Lake Albina, 2050 m; Spencers Creek, 1738 m; Mt Kosciusko, 1830 m; Charlotte Pass, 1920 m; 0.8 km W. of Charlotte Pass, 1675 m; Mt Kosciusko, near summit, 2195 m; summit of Mt Kosciusko, above 2120 m; above Seamans Hut; Rawson Pass, 2135 m; Snowy R. bridge, 1960 m; Lake Cootapatamba; Big Boggy, 1650 m.

A. simplicifolia (F. Muell.) Benth.

Happy Jacks Plain, 1490 m; 3 km from Grey Mare track, towards Happy Jacks Pondage; foot of Valentine Falls, 1525 m; Dickie Cooper Creek; turn-off to Island Bend, Kosciusko road; Daners Gap; Guthega-Smiggin Holes road; between Mt Piper & Back Perisher, 1675 m; Hotel Reservoir catchment; N. slope of Blue Cow, 1890 m; Pretty Point; Bullrock Mtn; Prussian Creek; Pipers Gap, 1738 m; S. spur of Perisher, 1890 m; Spencers Creek Plain, 1736 m; Spencers Creek, 1768 m; Snowy R., below Charlotte Pass, 1738 m; Charlotte Pass; Kangaroo Range; headwaters of Big Boggy, 1650 m.

Dichosciadium ranunculaceum (F. Muell.) Domin var. *ranunculaceum*

Tate East Ridge, 1800 m, 1750 m; Twynam Cirque, 2070 m; Mt Twynam, 2100 m; ridge above Blue Lake, 1980 m; Mt Carruthers, 2055 m; Hedley Tarn, 1860 m; cirque NE. below Mt Northcote, 1900 m; Mt Stilwell, 1980 m; Snowy R., 1950 m; Mt Kosciusko, treeline to 2135 m, 2135 m; NE. slope of Kosciusko, 2195 m; Etheridge Range, 2012 m; Lake Cootapatamba, 2070 m.

Diplaspis hydrocotyle Hook. f.

Mt Jagungal, 1950 m; between Guthega Trig. & Consett Stephen Pass, 1940 m; Twynam N. Cirque; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Spencers Creek, 1738 m; Carruthers Creek, below Hut, 1981 m; Perisher Valley, 1830 m; below Hedley Moraine, 1890 m; Club Lake, 1860 m; Mt Stilwell; just below Seamans Hut, 2010 m; Mt Kosciusko, 2135 m, near summit, 2165 m, treeline to 2135 m; NE. below summit, Mt Kosciusko; Etheridge Range, 2012 m; Snowy R. bridge, below Seamans Hut, 1980 m; Merritts Creek, 1950 m; Lake Cootapatamba.

Gingidia algens (F. Muell.) Dawson

Upper Tumut R., near Mt Jagungal; 1.5 km SSW. of Rocky Bogong, 1800 m; The Grey Mare, Grey Mare Range, c. 1700 m; White R., 60 m W. of Mt Tate; Watsons Gorge Creek below Watsons Crags; Tate East Ridge, 1800 m; Blue Cow Creek, 1615 m, 1675 m; Twynam Creek banks; NE. side of Guthega Dam, 1585 m; above Guthega Dam, 1700 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; The Perisher, c. 1980 m; creek W. of the Perisher, 1850 m; Spencers Creek, c. 1768 m; Munyong Mtns, 1525 m-1830 m; Dredbo R.

G. harveyana (F. Muell.) Dawson

3 km from Grey Mare track, towards Happy Jacks pondage; Barneys Creek, Happy Jacks R. headwaters; Treffle Park; Pipers Creek valley, 1582 m; Diggers Creek Reservoir, 1650 m; Wragges Creek, 1600 m; Dead Horse Gap.

Hydrocotyle algida N.A. Wakefield

Pipers Creek valley, 1580 m; junction of Daners & Pipers Creeks, 1585 m; Wragges Creek, 1650 m; Blue Cow Creek, 1615 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Smiggin Holes.

H. sp.

Happy Jacks Plain.

Oreomyrrhis argentea Hook. f.

Happy Jacks Plain, 1460 m; between SMA Huts & Brooks Hut, Happy Jacks Plain; Barneys Creek valley, Happy Jacks Plain; McKeahnies Creek catchment; Back Flat Creek, 0.8 km E. of Grey Mare Hut, 1570 m; Daners Gap, 1645 m, 1675 m; Wragges Creek, 1575 m; Lower Prussian Creek, 1646 m; Big Boggy, 1615 m.

O. brevipes Mathias & Constance

Guthega Trig., 1860 m; summit, Blue Cow, 1980 m; Mt Lee feldmark; Club Lake, 2000 m; Lake Albina track; Charlotte Pass to Mt Stilwell, 1920 m; Mt Stilwell, 2050 m; between Seamans Hut & Snowy R. bridge, 1980 m; Snowy R., 1950 m; Mt Kosciusko, treeline to 2135 m; Etheridge Range; Snowy R., below Seamans Hut; Merritts Creek valley, 1960 m; 3 km SSW. of Mt Kosciusko, 1950 m; Scrubby Range.

O. ciliata Hook. f.

Happy Jacks Plain, 1460 m, 1490 m; Happy Jacks Creek; Barneys Creek valley, Happy Jacks Plain, 1585 m; O'Keefes Hut, Grey Mare track; Back Flat Creek, 1560 m; slopes of Gungartan, 2000 m; Mt Tate, 1830 m; Mt Kosciusko, up to 1675 m; Daners Gap; Pipers Creek, below Wragges Creek, 1575 m; Blue Cow Creek, 1615 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Spencers Creek, 1720 m; Seamans Hut to Snowy R.; Boogong Creek, near Dead Horse Gap, 1560 m.

O. eriopoda (DC.) Hook. f. *sens. str.* (In Costin et al., 1979: 203, a broader view is taken of this taxon.)

Happy Jacks Plain, 1490 m; Daners Gap, 1657 m; Pipers Creek, near Smiggins Ridge; Dead Horse Gap.

O. pulvinifera F. Muell.

Twynam N. Cirque; head of Blue Lake, 1920 m; Blue Lake; Mt Carruthers, 2010 m; Hedley Tarn, 1860 m; Club Lake, 1890 m; The Paralyser, 1890 m; Lake Albina, 2070 m; Snowy R., below Charlotte Pass; Muellers Peak; Mt Stilwell, 1980 m; Kangaroo Ridge; Mt Kosciusko, 2135 m, treeline to 2135 m; NE. slope of Mt Kosciusko, 2195 m; Etheridge Range, 2012 m; Snowy R. bridge, below Seamans Hut; junction of Snowy R. & Merritts Creek, 1960 m; above Lake Cootapatamba, 1890 m.

Oschatzia cuneifolia (F. Muell.) Drude

Windy Creek gauging station; N. slope of Blue Cow, 1920 m; Guthega R., 1600 m; Thompsons Plain; 0.5 km below Smiggin Holes; Mt Kosciusko, 1525 m to the summit; below Hedley Moraine, 1890 m; Betts Camp; Spencers Creek, 1738 m; Upper Betts Creek, 1760 m; 0.8 km W. of Charlotte Pass, 1675 m; between Snowy R. crossing & Mt Clarke; Snowy R., below Charlotte Pass; Mt Stilwell, 1980 m; Kangaroo Range; Dead Horse Gap; ridge between Big Boggy & Wombat Gully, 1700 m.

Schizeilema fragoseum (F. Muell.) Domin

Upper Tate East ridge, 1900 m; Twynam saddle to Blue Lake; Blue Lake, 1920 m; near Soil Conservation Hut, N. of Carruthers Peak; Mt Carruthers, 2035 m; Mt Kosciusko, 1525 m to the summit; Club Lake to Snowy R., 1830 m; Munyong Mtns, 1830 m; Snowy R., below Charlotte Pass, 1705 m; below & S. of Mt Clarke; Mt Kosciusko to Lake Albina; Mt Stilwell, 2050 m, 1980 m; below Seamans Hut; Etheridge Range, 2136 m; Lake Cootapatamba; head of Snowy R. valley, 2025 m.

Trachymene humilis (Hook. f.) Benth.

Happy Jacks Plain; Mt Koseiusko.

T. sp. (*T. anisocarpa* auct. austr. p.p.)

Round Mtn, W. slopes at Tooma road.

EPACRIDACEAE

Epacris breviflora Stapf

Happy Jacks Plain, 1490 m; W. of divide, Toolong Range near Round Mtn.

E. glacialis (F. Muell.) M. Gray

Blue Lake; NE. slopes of Mt Carruthers, near Soil Conservation Hut; Roek Creek, between Perisher Gap & Pipers Gap, 1725 m; Mt Kosciusko, 1525 m to the summit; The Paralyser, towards Paralyser/Perisher saddle, 1890 m; Carruthers saddle, 2010 m; Mt Clarke; Mt Kosciusko, 1830 m; Kangaroo Range; just below Seamans Hut, 2010 m; Rawson Pass, 2134 m; Etheridge Range, 2012 m; Mt Kosciusko, 1980 m; Merritts Creek; near Lake Cootapatamba.

E. microphylla R. Br.

Happy Jacks Plain; Boobec Hut, Happy Jacks Plain; McKeahnies Creek; summit of Mt Jagungal; Daners Gap; between Mt Piper & Back Perisher, 1675 m; summit, Blue Cow, 1980 m; Mt Carruthers-Twynam feldmark; Smiggin Holes; Lower Spencers Creek, 1730 m; just below summit of Perisher, 2010 m; Albina Pass feldmark; Mt Northeote; below & S. of Mt Clarke; Mt Stilwell, 2040 m; Kangaroo Range; just below Seamans Hut, 2010 m; Mt Kosciusko, 1830 m-2135 m, treeline to 2135 m; NE. below summit, Mt Koseiusko; Mt Kosciusko, summit; Etheridge Range; Upper Merritts Creek; Big Boggy, 1650 m.

E. paludosa R. Br.

Happy Jacks Plain; Boobec Hut, Happy Jacks Plain; McKeahnies Creek; near Doubtful R., Grey Mare track; Rennix Gap, 1705 m; Diggers Creek, near Hotel Kosciusko, 1554 m; Daners Gap; between Mt Piper & Back Perisher, 1675 m; Pipers Gap, 1675 m; Mt Kosciusko, 1525 m to the summit; just below the summit of the Perisher, 2010 m; near top of Hannells Spur; Spencers Creek, 1730 m; slopes of Mt Stilwell; Kangaroo Range; near Seamans Hut; Mt Kosciusko, 2135 m.

E. petrophila Hook. f.

Lower Spencers Creek, 1730 m; The Paralyser, towards Paralyser/Perisher saddle; Betts Creek; between Charlotte Pass & Snowy R., 1768 m; above Rawsons Hut; near Seamans Hut; just below Seamans Hut, 2010 m; Mt Kosciusko, treeline to 2135 m; Etheridge Range, above Seamans Hut; Ramshcad Range; E. of Merritts Spur, 1920 m; Thredbo R. Gorge, 1705 m.

E. sp.

Happy Jacks Plain, 1490 m; Grey Mare track, saddle between McKeahnies Creek & Barneys Creek; O'Keefes Hut, 1645 m; Mt Koseiusko, up to 1675 m; Daners Gap; Perisher Creek, 1590 m; Pretty Point; Prussian Creek; Spencers Creek to Thredbo R., 1705 m.

Leucopogon hookeri Sond. (*L. suaveolens* Hook. f.: Burbidge & Gray, 1970: 296, and Costin et al., 1979: 213.)

Happy Jacks Plain, 1490 m; ESE. of Grey Mare Hut, 1570 m; Mt Kosciusko, to 1675 m; Diggers Creek Reservoir, 1640 m; Tate East Ridge, 1800 m; Guthega, 1675 m; SW. of Hedley Tarn, 1840 m; above the Chalct, on track to Mt Stilwell, 1900 m; Mt Kosciusko, treeline to 2135 m; Dead Horse Gap.

L. maccraei F. Muell.

Whites R. Hut to Schlink Pass; above Munyang Penstock, 1524 m.

Lissanthe montana R. Br. (*Leucopogon montanus* (R. Br.) J.H. Willis: Costin et al., 1979: 212.)

The Kerries; slopes of Gungartan, 2000 m; summit, Mt Tate, 2065 m; near Carruthers Peak; Mt Koseiusko, 1675 m to the summit; Hedley Tarn, 1860 m; SW. of Hedley Tarn, 1840 m; Mt Koseiusko, 1830 m; above Lake Albina, 2070 m; SE. slope of Mt Guthrie, c. 1770 m; Mt Koseiusko-Lake Albina track; Charlotte Pass; between Charlotte Pass & Mt Stilwell, 1950 m; Mt Stilwell, 1950 m, 2050 m; near Seamans Hut; just below Seamans Hut, 1950 m; Mt Koseiusko summit; Rawson Pass, 2135 m; Etheridge Ridge, near summit; Mt Koseiusko, 1980 m.

Pentachondra punila (Forst. & Forst. f.) R. Br.

Mt Jagungal, 2010 m; below Gungartan; Lower Twynam Cirque, 1950 m; Speneers Creek, 1738 m; Carruthers Peak, 2085 m; Blue Lake to Hedley Tarn; Mt Northcote-Lake Albina slope; Charlotte Pass, 1875 m; Mt Stilwell, 2050 m; Mt Koseiusko, 1830 m to the summit; Kangaroo Range; Seamans Hut; Mt Koseiusko, summit; Snowy R. bridge, below Seamans Hut, 1950 m; Merritts Creek, 1950 m; near Lake Cootapatamba; Big Boggy, 1650 m.

Richea continentis B.L. Burt

Happy Jacks Plain; Boobee Hut, Happy Jacks Plain; The Kerries; near Rennix Gap; Pipers Creek, near Smiggins Ridge; Guthega-Smiggins Holes road; Smiggin Holes, 1675 m; Lower Speneers Creek, 1675 m, 1730 m; Mt Carruthers, 2010 m; Betts Camp to Mt Koseiusko; below Perisher Gap; Charlotte Pass-Blue Lake track, 1830 m-1980 m; Mt Koseiusko, 1830 m; between Charlotte Pass & The Chalet; Mt Koseiusko, 1524 m-2135 m; headwaters of Big Boggy, 1600 m.

LOGANIACEAE

Mitrasacme serpyllifolia R. Br.

Happy Jacks Plain, 1490 m.

GENTIANACEAE

Gentianella diemensis (Griseb.) J.H. Willis

Grey Mare Hut, 1675 m; Boggy Plains; Upper Tate East Ridge, 1900 m; Pretty Point; Lower Twynam Cirque, 1950 m; Snowy R., above Guthega Dam, 1600 m; headwaters of Prussian Creek, 1737 m; Speneers Creek, 1738 m; Soil Conservation Hut; Carruthers Peak; near Lake Albina; by Chalet road on Speneers Creek; Speneers Creek, 1890 m; Mt Stilwell, 1980 m; near Seamans Hut, 1950 m; Mt Koseiusko, just below summit, 2135 m; near Rawson Pass, 2160 m; Snowy R. bridge, below Seamans Hut; headwaters of Big Boggy, 1650 m.

CONVOLVULACEAE

Dichondra micrantha Urban

Happy Jacks Plain, 1490 m; headwaters of Tibeaude Creek.

BORAGINACEAE

Cynoglossum australe R. Br.

Diggers Creek Lake, 1500 m.

**Echium vulgare* L.

Between Daners Gap & Pipers Creek, 1650 m.

Myosotis australis R. Br. *sens. lat.*

Diggers Creek, near Koseiusko Hotel, 1554 m; Daners Gap, 1675 m; Little Diggers Creek valley, 1760 m; Pretty Point; Prussian Creek, 1676 m; Pipers Gap; Blue Lake; Lake Albina; Speneers Creek to Thredbo R., 1615 m; Mt Koseiusko, treeline to 2135 m; Etheridge Ridge, above Seamans Hut.

**M. discolor* Pers.

Daners Gap; Pipers Creek; Upper Speneers Creek, 1750 m; near Rawsons Pass.

LAMIACEAE

Prostanthera cuneata Benth.

Tibaudes Hut, Grey Mare track; Mt Jagungal; The Kerries; junction of Schlink Pass road & Munyang R. aqueduct; summit, Blue Cow, 1980 m; Pretty Point, 1768 m; Perisher Gap; S. spur of Perisher, 1890 m; Spencers Creek, 2135 m; near Charlotte Pass; Charlotte Pass, 1840 m; Mt Kosciusko, 1830 m; summit, Mt Kosciusko.

**Salvia verbenaca* L.

Guthega Dam, 1590 m.

Westringia lucida B. Boivin

Toolong Range, near Round Mtn, 1646 m; near Tibaudes Creek Hut; 1.6 km SW. of Tibaudes Creek, on Happy Jacks-Jagungal track; near O'Keefes Hut; O'Keefes Hut; Mt Jagungal; Dickie Cooper Creek crossing, Schlink Pass-Geechi road; Dickie Cooper Creek; near to the N. of Mt Kosciusko.

SCROPHULARIACEAE

Chionohebe densifolia (F. Muell.) B.G. Briggs & Ehrend.

Blue Lake, 1980 m; Mt Carruthers feldmark, 2103 m; above Club Lake, 2100 m; Mt Lee; near Lake Albina; Mt Northcote-Mt Lee Saddle, 2010 m; Mt Northcote; Mt Kosciusko, treeline to 2135 m; Mt Kosciusko summit; Rawson Pass; Etheridge Range, 2136 m.

Euphrasia alsa F. Muell.

Headwaters of Doubtful R., 1705 m; Cesjacks Hut, 1768 m; Gungartan Peak; between Guthega Trig. & Consett Stephen Pass, 1940 m; Tate East Ridge, 1800 m; Spencers Creek, 1720 m; Pipers Gap; near Carruthers Peak, 2040 m; Mt Kosciusko, 1830 m; above Lake Albina, 2070 m; Lake Albina; Northcote Pass feldmark; Charlotte Pass; 2 km NNE. of Mt Kosciusko summit, 2000 m; Rawson Pass-Lake Albina track, 1900 m; Mt Stilwell, 2050 m; Munyang Mtns; Snowy R. bridge, below Seamans Hut.

E. collina R. Br. ssp.

Grey Mare Range, 1770 m; Pretty Point, 1675 m; Pipers Gap; above Soil Conservation Hut, N. of Carruthers Peak; Mt Carruthers; Club Lake, 1860 m; Perisher Gap, 1770 m; S. spur of Perisher, 1890 m; SE. slope of Mt Guthrie, 1768 m; Charlotte Pass, 1875 m; Kangaroo Range, c. 6 km from Kosciusko summit; c. 50 m N. of Seamans Hut, c. 2000 m; Mt Kosciusko summit, 2240 m; Rawson Pass; Mt Etheridge; Merritts Creek; Lake Cootapatamba; c. 8 km NE. of Thredbo Village, 1800 m.

E. collina R. Br. ssp. (*E. glacialis* Wettst.)

Under Granite Peaks to the E.; Mt Tate; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Spencers Creek, 1730 m; above Blue Lake, 1920 m; Carruthers Creek; Hedley Tarn, 1860 m; cirque NE. below Mt Northcote, c. 1900 m; Mt Stilwell, 2050 m; just below Seamans Hut, 2010 m; Etheridge Range, 2012 m; Merritts Creek, 1935 m; Lake Cootapatamba.

E. collina R. Br. ssp.

Mt Twynam saddle; Club Lake, 1860 m, 2100 m; Albina Pass moraine; Mt Northcote Pass feldmark; Rawson Pass; Etheridge feldmark.

E. collina R. Br. ssp. (*E. paludosa* R. Br.)

Happy Jacks Plain, 1490 m; SE. end of Toolong Range; Boobee Hut, Happy Jacks Plain; Tibauds Hut, Grey Mare track; Doubtful R.; Diggers Creek Lake, 1500 m; Daners Gap, 1675 m; Pipers Creek valley, 1580 m; track to Diggers Creek Reservoir, 1646 m; Diggers Creek Reservoir, 2650 m; junction of Blue Cow & Farm Creeks, 1720 m; Thompsons Plain, 1745 m; Pretty Point; above Smiggin Holes, on Guthega road, 1760 m; Spencers Creek, 1720 m, 1730 m, 1740 m; Perisher Valley, 1700 m-1741 m; Perisher Gap; Upper Betts Creek, 1760 m; Big Boggy, 1650 m.

- E. sp.* (*E. scabra* R. Br. var *caudata* J.H. Willis)
O'Keefes Hut, Grey Mare track; headwaters of Doubtful R., 1700 m; below Guthega Trig., 1800 m; Guthega R., 1585 m; Guthega; Spencers Creek, 1720 m; above Spencers Creek, 1760 m; The Chalet, alpine tract, Kosciusko; Ramshead Range, E. of Merritts Spur, 1920 m; Thredbo R. Gorge, 1700 m; Boogong Creek, 1554 m; Dead Horse Gap; ridge between Big Boggy & Wombat Gully.
- Glossostigma sp.* (*G. spathulatum* Arn., *nom. illeg.*)
Diggers Creek Reservoir, 1646 m.
- Gratiola nana* Benth.
Happy Jacks Plain, 1475 m; Happy Jacks Creek, on track to Brooks Hut; Diggers Creek, near Boobee Hut; Tibeaud Creek Hut; Mt Kosciusko, above 1525 m; Daners Gap; Upper Little Diggers Creek, 1680 m; Thompsons Plain, 1760 m.
- Limosella australis* R. Br.
Diggers Creek Reservoir, 1646 m.
- **Mimulus moschatus* Douglas ex Lindl.
Whites R. aqueduct; Perisher Creek, 1554 m; E. of Daners Gap.
- Parahebe derwentiana* (Andr.) B.G. Briggs & Ehrend. ssp. (*Veronica maideniana* Gandoger)
Entrance to Boobee area, Happy Jacks Plain; near Rennex Gap; Hotel Kosciusko, Island Bend turn-off; Pretty Point; Smiggin Holes; 1 km below Perisher Gap; Betts Camp; Snowy R., below Charlotte Pass; Upper Snowy R. valley.
- P. perfoliata* (R. Br.) B.G. Briggs & Ehrend.
Happy Jacks Plain, 1490 m; Happy Jacks, ridge S. of the huts, 1524 m.
- P. sp.* (*Veronica nivea* Lindl.)
Dickie Cooper Creek; Munyang R., on Schlink Pass road, 1500 m; turn-off to Island Bend, Kosciusko road; Perisher Creek valley; Guthega Reservoir; Thompsons Plain; Pretty Point, 1675 m; Smiggin Holes, 1705 m; Spencers Creek, 1730 m; Perisher Gap; Munyang Range, 1830 m; Betts Camp to Mt Kosciusko; head of Spencers Creek, 1830 m; Big Boggy, 1615 m.
- **Verbascum thapsus* L.
Between Daners Gap & Pipers Creek, 1650 m.
- **V. virgatum* Stokes
Guthega Dam, 1590 m.
- **Veronica arvensis* L.
Happy Jacks Plain, 1490 m; above Diggers Creek, on Summit road, 1646 m; Plains of Heaven, 1705 m; Daners Gap, 1676 m; near Rawson Pass.
- V. gracilis* R. Br.
Diggers Creek Lake, 1500 m; Diggers Creek; Pipers Creek valley, 1580 m; Diggers Creek Reservoir, 1650 m; junction of Wragges & Piper Creeks; Munyang Range, 1830 m; Big Boggy, 1615 m.
- V. serpyllifolia* L.
Big Jagungal, 1830 m; Munyang R., on Schlink Pass road, 1500 m; near Rennix Gap; Kosciusko Hotel; Perisher Creek, 1554 m; Daners Gap, 1675 m; junction of Wragges & Pipers Creeks; Spencers Creek, 1721 m; Blue Lake, 1920 m; cirque NE. below Mt Northcote, 1900 m; S. slope of Mt Clarke; above Seamans Hut.

LENTIBULARIACEAE

Utricularia monanthos Hook. f.

Happy Jacks Plain, 1460 m; junction of Wragges & Pipers Creeks, 1575 m; Spencers Creek, 1738 m; Betts Creek, 1750 m; headwaters, Big Boggy, 1650 m.

PLANTAGINACEAE

Plantago alpestris Briggs, Carolin & Pulley

Snowy R., between Guthega Dam & Spencers Creek, 1615 m; Prussian Creek, 1600 m; Blue Lake; Soil Conservation Hut, N. of Carruthers Peak; NW. slope of Mt Northcote, 1980 m; S. slope of Mt Clarke, below Charlotte Pass; slopes of Mt Stilwell; Kangaroo Range; Mt Kosciusko-Lake Albina track; Mt Kosciusko, near summit; 1 km NE. of Lake Cootapatamba; near Snowy R. bridge, below Seamans Hut; Merritts Creek, 1935 m; Thredbo R. Gorge, 1705 m; headwaters, Big Boggy, 1650 m.

P. antarctica Decaisne

Happy Jacks Plain, 1490 m; Barneys Creek, 1490 m; Pipers Gap.

P. euryphylla Briggs, Carolin & Pulley

Jagungal, 1980 m; Back Flat Creek, 1560 m; Schlink Pass road, above descent to Geehi, 1675 m; Daners Gap; Blue Cow Creek, 1675 m; Perisher Gap; near Lake Albina; Betts Camp; Snowy R., below Charlotte Pass, 1705 m; SE. side of Muellers Peak, 1738 m; Mt Stilwell, 2000 m; Kangaroo Range; Mt Kosciusko, below summit; headwaters, Big Boggy, 1650 m.

P. glacialis Briggs, Carolin & Pulley

0.5 km E. of Gungartan Peak; E. of Mt Anderson, in Pounds Creek valley; SW. bank of Blue Lake; Carruthers Creek, below hut, 1980 m; near Carruthers Peak; Mt Carruthers, 2055 m; 2 km SSW. of Hedley Tarn, 1800 m; Club Lake, 1980 m; SE. slope of Muellers Peak, 2010 m; Mt Kosciusko-Lake Albina track; Mt Stilwell, 1980 m; Mt Kosciusko, 2135 m; Snowy R. bridge, below Seamans Hut; Upper Merritts Creek; Upper Snowy R., 1920 m.

**P. lanceolata* L.

Between Prussian & Wragges Creeks, 1600 m.

P. muelleri Pilger

Twynam N. Cirque; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Spencers Creek, 1720 m; Blue Lake; Perisher Valley, 1640 m; Lake Albina; Betts Camp; below Charlotte Pass; SE. slope of Muellers Peak, 2010 m; Mt Kosciusko-Lake Albina track; Mt Stilwell, 1980 m; Kangaroo Range; Mt Kosciusko, 2070 m; Snowy R. bridge, below Seamans Hut; Upper Snowy R., 1920 m; Merritts Creek, 1950 m; Lake Cootapatamba.

P. varia R. Br.

Mt Jagungal, 0.8 km S. of summit.

RUBIACEAE

Asperula conferta Hook. f.

Dickie Cooper Creek; Smiggin Holes, 1675 m.

A. gunnii Hook. f.

Happy Jacks Plain, 1490 m; between Tolbar & Jagungal, 1370 m-1585 m; near Round Mt; near Rennix Gap; Hotel Kosciusko; Pipers Creek valley, 1580 m; Mt Piper, 1760 m; Guthega-Smiggin Holes road; Blue Cow Creek, 1650 m; Twynam N. Cirque; Twynam Ridge to Blue Lake; Mt Carruthers, towards creek at 2010 m; S. spur of Perisher, 1890 m; Spencers Creek, 1752 m; near Charlotte Pass, 1980 m; near the Chalet; Kangaroo Range; Mt Kosciusko, 1830 m-1980 m; Etheridge Ridge above Seamans Hut; Boogong Creek, near Dead Horse Gap.

A. pusilla Hook. f.

Above Bald Hill, Happy Jacks catchment; O'Keefes Hut, Grey Mare track; Diggers Creek; Daners Gap, 1675 m; Pipers Creek valley, 1580 m; between Mt Piper & Back Perisher, 1675 m; Wragges Creek, 1650 m; Smiggin Holes; Perisher Gap; Mt Kosciusko, 1830 m; near Spencers Creek; Mt Kosciusko, treeline to 2135 m; Rawson Pass.

A. scoparia Hook. f.

Happy Jacks Plain, 1490 m; junction of Barneys Creek & Happy Jacks road; Happy Jacks road, near McKeahnies Creek; Munyang Range, 1524 m; Perisher Creek, 1524 m; Daners Gap, 1675 m; Pipers Creek valley 1560 m.

Coprosma nivalis W.R.B. Oliver

Happy Jacks Plain, 1475 m; Barneys Creek; Mt Jagungal.

C. sp. (C. pumila auct. p.p.)

Snowy R., between Guthega Dam & Spencers Creek, 1630 m; junction of Spencers Creek & Snowy R., 1630 m; Lower Spencers Creek, 1640 m; cirque NE. below Mt Northcote, 1900 m.

C. sp. (C. pumila auct. p.p.; C. sp.: Costin et al., 1979: 224.)

Twynam Range; Blue Lake; ridge W. of Blue Lake, 2000 m; Upper Blue Lake Cirque; Carruthers Creek valley; below Club Lake, 1830 m; Blue Lake track, 2070 m; Charlotte Pass to Blue Lake, c. 1980 m; Mt Clarke; 1.5 km NNE. of Mt Kosciusko summit, 2150 m; Mt Kosciusko-Muellers Peak, 2100 m; Mt Kosciusko, 1524 m to the summit; below summit, Mt Kosciusko, 2165 m.

Nertera granadensis (Mutis) Druce (*N. depressa* Banks & Soland. ex Gaertn.: Costin et al., 1979: 225.)

McKeahnies Creek, Happy Jacks Plain; headwaters of Tibcaude Creek; Perisher Creek, 1600 m; Lower Spencers Creek, 1640 m; Betts Creek, 1750 m; Snowy R. tributary, W. of Seamans Hut; Mt Kosciusko, 1980 m; Merritts Creek, 1940 m; Dead Horse Gap; Big Boggy, 1600 m.

CAMPANULACEAE

Wahlenbergia ceracea Lothian

Happy Jacks Plain, 1460 m; Barneys Creek, Happy Jacks Plain; Boobee Hut; O'Keefes Hut, Happy Jacks Plain, 1645 m; c. 5 km NNE. of Rennex Gap; Pipers Creek valley, 1580 m; Wragges Creek, 1600 m; Blue Cow Creek, 1650 m; Spencers Creek, 1675 m; above Blue Lake; Perisher Valley; Betts Camp; near Spencers Creek; Betts Creek; near Charlotte Pass; Snowy R. bridge, below Seamans Hut; Merritts Creek, 1950 m; Ramshead Range, E. of Merritts Spur, 1920 m; Boogong Creek, 1560 m; headwaters, Big Boggy, 1650 m.

W. densifolia Lothian

Happy Jacks Plain, 1490 m; junction of Happy Jacks Creek tributary & Grey Mare track; Barneys Creek, 1490 m; McKeahnies Creek valley; Mt Kosciusko Hotel, 1524 m.

W. gloriosa Lothian

Near Farm Ridge; c. 5 km NNE. of Rennex Gap; Diggers Creek, near Mt Kosciusko Hotel, 1554 m; Upper Little Diggers Creek; Andrews Lookout, 1800 m; Sentinel Peak Ridge; Blue Lake; Betts Camp.

W. multicaulis Benth.

Happy Jacks Plain, 1490 m; Barneys Creek; Mt Kosciusko, 1524 m to the summit.

W. stricta Sweet

Happy Jacks Plain, 1490 m; 9 km towards Happy Jacks Pondage from Grey Mare track.

LOBELIACEAE

Pratia pedunculata (R. Br.) Benth. *sens. lat.*

Happy Jacks Plain, 1490 m; near Round Mtn; Boobee Hut, Happy Jacks Plain; Boggy Plain; Perisher Creek, 1524 m; Daners Gap; Pipers Creek valley, 1580 m; Mt Piper, 1760 m; Little Diggers Creek valley, 1720 m; Pipers Creek, below Wragges Creek, 1570 m; Wragges Creek, 1600 m; 2 km S. of Guthega village, 1620 m; Andrews Lookout, c. 1800 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; above Smiggin Holes on Guthega Road, 1760 m.

- P. sp.* (aff. *surrepens* (Hook. f.) F.E. Wimm.) (*P. surrepens* (Hook. f.) F.E. Wimm.: Costin et al., 1979: 227.)
 Happy Jacks Plain, 1460 m-1490 m; Happy Jacks Plain, near huts; McGregors Creek, Happy Jacks Plain; Hotel Koseiusko; Diggers Creek Reservoir, 1640 m.; Wragges Creek, 1600 m; Thompsons Plain, 1760 m; Upper Prussian Creek, 1737 m; Lower Spencers Creek, 1730 m; near Pipers Gap; Club Lake Creek; Snowy R. bridge, below Seamans Hut; Merritts Creek, 1950 m; Big Boggy, 1600 m.

GOODENIACEAE

Goodenia hederacea Sm. var. *alpestris* Krause

Happy Jacks Plain, 1490 m; Happy Jacks, near huts; Barneys Creek, Happy Jacks Plain; Dickie Cooper Creek, Schlink Pass road; SE. of Mt Anderson; Big Boggy, 1585 m.

Scaevola hookeri (de Vriese) F. Muell. ex Hook. f.

Rocky Bogong Mtn; turn-off to Island Bend, Koseiusko road; Boggy Plain; Mt Koseiusko, up to 1675 m; Wragges Creek; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; SE. end of Perisher Valley, 1750 m; below Hedley Moraine; Upper Spencers Creek, 1750 m; Charlotte Pass, 1890 m; The Chalet, Mt Koseiusko; Big Boggy, 1600 m, 1615 m.

Velleia montana Hook. f.

Happy Jacks Plain; junction of Happy Jacks Creek tributary & Grey Mare track; Barneys Creek, Happy Jacks Plain; Daners Gap, 1675 m; between Mt Piper & Back Perisher, 1675 m; Wragges Creek, 1600 m; Thompsons Plain, 1760 m; Smiggin Holes; Upper Prussian Creek, 1707 m.

V. paradoxa R. Br.

Happy Jacks Plain.

STYLIDIACEAE

Stylidium graminifolium Swartz ex Willd.

Happy Jacks Creek, 1490 m; Happy Jaek, near huts; Boobee Hut, Happy Jacks Plain; O'Keefes Hut, Grey Mare track; Dickie Cooper Creek; Daners Gap; between Mt Piper & Back Perisher, 1675 m; Perisher Creek, 1524 m; Pretty Point; Bullrock Mtn; Spencers Creek, 1705 m; below Hedley Tarn; above Club Lake, near Carruthers Peak, 1890 m; Mt Koseiusko, 1830 m, 1525 m-1980 m; Charlotte Pass; Kangaroo Range; Big Boggy, 1650 m.

ASTERACEAE

Abrotanella nivigena (F. Muell.) F. Muell.

Snowy R., below Guthega Dam, 1550 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; head of Blue Lake, 1920 m; Mt Stilwell, 2050 m; Mt Koseiusko district; Mt Koseiusko, treeline to 2135 m; Snowy R. bridge, below Seamans Hut; near col below Mt Koseiusko summit.

**Achillea millefolium* L.

Near Boobee Hut, Happy Jacks Plain; Daners Gap; Guthega Dam, 1590 m; Prussian Creek.

Brachycome aculeata (Labill.) Less.

Happy Jacks Plain; Barneys Creek valley; 1.6 km from O'Keefes Hut, towards Happy Jacks road; near Doubtful R., Grey Mare track; Mt Jagungal, 1890 m; Dickie Cooper Creek; Mt Koseiusko, up to 1675 m; Treffe Park; near Diggers Creek Reservoir, 1650 m; Boogong Creek, near Dead Horse Gap, 1560 m; Dead Horse Gap.

B. decipiens Hook. f.

Happy Jacks, near huts; Rennix Gap, 1524 m; Daners Gap, 1676 m; Pipers Creek valley, 1580 m; Diggers Creek Reservoir, 1650 m; Pretty Point.

B. nivalis F. Muell.

Mt Jagungal, 1920 m; The Kerries; near summit, Gungartan, 2065 m; 0.5 km SE. of Gungartan Trig.; Thompsons Plain; Snowy R. between Guthega Dam & Spencers Creek, 1680 m; above Blue Lake; Carruthers track; Club Lake, 1890 m; above Lake Albina; Mt Northcote-Lake Albina, 2070 m; Charlotte Pass; Muellers Peak; Mt Stilwell; Mt Kosciusko, above snowline, treeline to 2135 m, 1675 m to the summit; Etheridge Range, 2136 m; Lake Cootapatamba; Thredbo R. Gorge, 1675 m.

B. obovata G.L. Davis

Tumut R., below Mt Jagungal; slopes of Gungartan, 2000 m; Rennex Gap, 1554 m; Hotel Kosciusko; Pipers Creek valley, 1560 m; Thompsons Plain, 1760 m; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Upper Prussian Creek, 1737 m; Perisher Creek, 1600 m; Hedley Tarn, 1860 m; Snowy R., below Charlotte Pass; Mt Stilwell, 1890 m; Kangaroo Range; 1 km N. of Snowy R. bridge, below Seamans Hut; Mt Kosciusko, 2135 m; below Etheridge Ridge.

B. radicans Steetz ex Lehm.

Sheepyard Creek, near junction with Happy Jacks Creek; near Grey Mare track, Happy Jacks Plain.

B. rigidula (DC.) G.L. Davis

Happy Jacks Plain, 1475 m; near Brooks Hut; Mungyang Range, 1524 m; O'Keefes Hut, Happy Jacks Plain; Mt Jagungal, 2029 m.

B. scapiformis DC. *sens. lat.* (*B. sp.*: Costin et al., 1979: 232.)

Happy Jacks Plain, 1490 m; Barneys Creek, 1490 m; Boobee Hut, Happy Jacks Plain; Mt Jagungal, 2029 m; Schlink Pass road, above descent to Geehi; Grey Mare Range, 1800 m; Dickie Cooper Creek; Spencers Creek, 1730 m; Blue Lake; Carruthers Peak, 2040 m; Perisher Gap; near Lake Albina; Betts Camp; NE. below Mt Northcote, c. 1900 m; Charlotte Pass-Snowy R., 1768 m; Abbot Range, 2160 m; Kangaroo Range; 1.5 km NNE. of Mt Kosciusko, 2150 m; below Rawson Pass, 2100 m; Etheridge Range, 2136 m; Snowy R. bridge, below Seamans Hut; S. of Mt Stilwell, 2040 m; Cootapatamba Creek, 2040 m; Ramshead Range beyond Merritts Creek, 1920 m; Dead Horse Gap; Big Boggy, 1600 m, 1650 m.

B. scapigera (Sieber ex Sprng.) DC.

Boobee Hut, Happy Jacks Plain; McKeahnies Creek catchment, Happy Jacks Plain; O'Keefes Hut, on Grey Mare track; Mt Jagungal, 2029 m; The Kerries; Rennex Gap, 1524 m; between Gills Knob & Mann Bluff; head of Pounds Creek, 2000 m; Smiggin Holes; Upper Prussian Creek, 1709 m; Pipers Gap, 1738 m; Club Lake, 1890 m; Spencers Creek, near Chalet; below Mt Stilwell, 1980 m; between Snowy R. & road, Kangaroo Range; just below Seamans Hut, 2010 m; Rawson Pass, 2070 m; Snowy R. bridge, below Seamans Hut; Merritts Creek, 1950 m; Lake Cootapatamba; headwaters, Big Boggy, 1650 m.

B. stolonifera G.L. Davis

Mt Tate; head of Blue Lake, 1920 m; Hedley Tarn, 1860 m; Club Lake; NE. below Mt Northcote, 1900 m; Mt Stilwell, 2050 m; Snowy R., c. 0.5 km below junction with Merritts Creek, 1950 m; summits, Kosciusko plateau, c. 2135 m; Rawson Pass; Lake Cootapatamba; Ramshead Range, beyond Merritts Creek, E. of Merritts Spur, 1920 m.

B. tadgellii Tovey & Morris (*B. nivalis* F. Muell. var. *alpina* (F. Muell. ex Benth.) G.L. Davis: Costin et al., 1979: 361.)

Guthega R., 1585 m; Mt Kosciusko, up to 1675 m; Snowy R., above Guthega Dam, 1600 m; Snowy R., between Spencers Creek & Guthega Dam, 1620 m; Lower Spencers Creek, 1710 m, 1730 m; above Blue Lake; below Soil Conservation Hut, N. of Carruthers Peak; Mt Northcote-Lake Albina, 2070 m; S. of head of Wrights Creek, 2000 m; Mt Kosciusko, treeline to 2135 m; Etheridge Range, 2012 m; Snowy R. bridge, below Seamans Hut; Lake Cootapatamba.

B. tenuiscapa Hook. f. var. *tenuiscapa*

Spencers Creek; near Lake Cootapatamba.

Cassinia uncata A. Cunn. ex DC. *sens. lat.*

Happy Jacks Plain; Boobee Hut, Happy Jacks Plain; Munyang Range; O'Keefes Hut, Grey Mare track; Grey Mare Hut; track from Schlink Pass to Valentine R.; Schlink Pass road, spur above descent to Geehi; Rennex Gap; Hotel, Mt Kosciusko; Perisher Creek; Pipers Creek valley, 1580 m; Guthega-Smiggin Holes; Mt Kosciusko, up to 1675 m; Prussian Creek; Hotel Kosciusko to Betts Camp; between Charlotte Pass & Snowy R., 1768 m; Mt Stilwell to Mt Koseiusko, 1920 m; Mt Kosciusko summit, 2240 m; Dead Horse Gap; Cascade trail, near Dead Horse Gap, 1585 m.

Celmisia asteliifolia Hook. f. complex

Happy Jacks Plain, 1490 m; Happy Jaeks Plain, near huts; Grey Mare track; Schlink Pass; near Whites R. hut; Daners Gap; track to Diggers Creek Reservoir, 1620 m; Smiggin Holes; Blue Lake; Carruthers Peak; 1 km WSW. of Hedley Tarn, 1800 m; Club Lake; S. spur of Perisher, 1830 m; Lake Albina, 2070 m; SE. slope of Mt Guthrie; Charlotte Pass; Trapyard Creek valley, 1800 m; Charlotte Pass to Mt Stilwell, 1950 m; Mt Stilwell; Kangaroo Ridge; Seamans Hut; near summit, Mt Kosciusko; Rawson Pass, 2091 m; Ramshead Range.

C. longifolia Cass.

Wragges Creek area; headwaters, Big Boggy, 1650 m.

**Chondrilla juncea* L.

Between Daners Gap & Wragges Creek, 1600 m; Perisher Creek, 1590 m.

**Cirsium arvense* (L.) Scop.

Lakeside Inn.

**C. vulgare* (Savi) Tcn.

Pipers Creek valley, 1560 m; Guthega Dam, 1590 m.

Cotula alpina (Hook. f.) Hook. f.

Happy Jacks Plain, 1460 m; near Grey Mare track, Happy Jacks Plain; near Rennex Gap; Daners Gap, 1675 m; Pipers Creek, near Smiggins Ridge; Snowy R., between Guthega Dam & Spencers Creek, 1620 m; Betts Creek, 1740 m; 3 km beyond Charlotte Pass towards Summit; Dead Horse Gap; headwaters, Big Boggy, 1650 m.

C. filicula (Hook. f.) Hook. f. ex Benth.

Happy Jacks Plain, 1490 m; McKeahnies Creek, Happy Jacks Plain; Schlink Pass road, Dickie Cooper Creek bridge; The Kerrics; Gungartan Peak; Blue Cow Creek, 1615 m; Blue Lake track, 1860 m; head of Spencers Creek.

Craspedia leucantha F. Muell.

S. of Mt Anderson, 1700 m; above Guthega Dam, on Tate East Ridge, 1700 m; head of Carruthers Creek; above Lake Albina; Mt Northcote saddle; c. two-thirds of the way down from the summit of Mt Clarke, 1980 m; below Muellers Peak; Etheridge Range.

C. sp. A, with small, white flowers and white-pubescent leaves.

1.6 km E. of Carruthers; Club Lake Creek, 1900 m; between Mt Koseiusko & Abbots Peak; Upper Snowy R., below road bridge, 1920 m; Snowy R., c. 0.5 km below Merritts Creek junction, 1950 m; Ramshead Range, above Trapyard Creek source; Mt Kosciusko, 2135 m & higher; Cootapatamba Creek, 2000 m; S. of Mt Stilwell, 2000 m; Ramshead Range, beyond Merritts Creek, 1920 m.

C. sp. B, with discoloured leaves.

Snowy R., above Guthega Dam, 1620 m; head of Blue Lake, 1920 m; Carruthers Peak; above Hedley Tarn, 1880 m; S. spur of Perisher, 1890 m; eirque NE. below Mt Northcote, 1920 m; Mt Koseiusko-Lake Albina track; between Snowy R. & Summit road, below Kangaroo Range; Mt Kosciusko, treeline to 2135 m.

- C. sp.C, with large yellow flowers and white-pubescent leaves.
Mt Tate, 2000 m; below Guthega Trig., 1770 m; Blue Cow, 1900 m, 1960 m; Snowy R., above Guthega Dam, 1620 m; Mt Carruthers, 2050 m; Club Lake, 1890 m; Mt Lee; S. spur of Perisher, 1890 m; above Lake Albina, 2070 m; cirque NE. below Mt Northcote, 1920 m; E. slope of Mt Northcote; S. of Mt Clark; NE. below summit, Mt Koseiusko; Mt Stilwell, 1980 m; Seamans Hut; Etheridge Ridge above Seamans Hut; Etheridge Range; Merritts Creek 1950 m; Ramshead Range, beyond Merritts Creek, 1920 m.
- C. sp.D, with yellow flowers and pubescent leaves.
Speneers Creek, 1705 m; above Blue Lake, 1920 m; Soil Conservation Hut, N. of Mt Carruthers; Mt Carruthers, 2010 m; below Carruthers saddle, 2040 m; above Lake Albina, 2070 m; cirque NE. below Mt Northcote, e. 1900 m; S. of Mt Clarke; Mt Koseiusko, near summit; Etheridge Range; below Seamans Hut, 2000 m; Mt Koseiusko, 2135 m; Lake Cootapatamba; S. of Mt Stilwell, 2000 m; Merritts Creek, 1950 m; Ramshead Range, beyond Merritts Creek, 1920 m; NE. slopes of N. Ramshead, 2080 m.
- C. sp.E, with yellow flowers and glabrescent leaves.
Below Twynam saddle; head of Blue Lake, 1920 m; Soil Conservation Hut, N. of Carruthers Peak; Carruthers Peak; E. slope of Mt Northcote; S. of Mt Clarke; below Seamans Hut, 2000 m; near Rawson Pass; Etheridge Bluff, above Seamans Hut; Upper Snowy R., below road bridge, 1920 m; Lake Cootapatamba; S. of Mt Stilwell, 2000 m.
- C. sp.F, with orange flowers and rather viscid leaves.
Munyang R., on Sehlink Pass road, e. 1500 m; Blue Cow Creek, 1620 m; Snowy R., between Guthega Dam & Speneers Creek, 1620 m; Speneers Creek; between Etheridge Bluff & Seamans Hut; Etheridge Bluff, above Seamans Hut; Snowy R. bridge, below Seamans Hut; Lake Cootapatamba.
- C. sp.G, with attenuate, silky leaves.
Happy Jacks Plain, 1524 m; Happy Jacks Plain, near huts; SW. of O'Keefes Hut; Dicky Cooper Creek; Pretty Point, 1675 m; Dead Horse Gap.
- C. sp.H, with flat-topped and yellow-flowered heads.
Near Round Mtn, 1585 m; Happy Jacks Plain; O'Keefes Hut; Mt Jagungal, 1920 m; e. 0.5 km NNE. of Rennex Gap, 1650 m; 0.5 km NW. of Diggers Creek Reservoir, 1650 m; track to Diggers Creek Reservoir, 1585 m; Pipers Creek valley, 1580 m; junction of Daners & Pipers Creeks, 1575 m; Prussian Creek, 1707 m; Speneers Creek; Perisher Valley; above Perisher Valley; near Perisher Gap; Boogong Creek, near Dead Horse Gap; Thredbo R.
- C. sp.I, with orange flowers and (usually) small heads.
Happy Jacks Plain, 1460 m; e. 5 km NNE. of Rennex Gap, 1650 m; Diggers Creek Lake, 1500 m; Mt Koseiusko, 1675 m; Daners Gap, 1675 m; junction of Daners & Pipers Creeks, 1575 m; Upper Prussian Creek, 1737 m.
- **Crepis capillaris* (L.) Wallr.
Guthega Dam, 1600 m; between Mts Carruthers & Twynam.
- Erigeron conyzoides* F. Muell.
Slopes of Round Mtn., Grey Mare Hut, 1650 m; Whites R. aqueduct; Hotel, Mt Koseiusko; Diggers Creek Reservoir, 1646 m; Perisher Creek, 1590 m; Guthega; Charlotte Pass.
- E. pappocromus* Labill., slender, pubescent form. (Form A: Costin et al., 1979: 364.)
The Kerries; Blue Cow Creek, 1620 m; below Hedley Moraine; Lake Albina; Speneers Creek; Seamans Hut to Snowy R. crossing.

- E. pappocromus* Labill., glabrous, viscid form. (Form B: Costin et al., 1979: 364.)
Blue Cow Creek, 1650 m; Mt Koseiusko, 1675 m to the summit; below Hedley Moraine; Lake Albina; Betts Camp; 0.4 km W. of Club Lake Creek-Snowy R. junction; Mt Stilwell; Kangaroo Range; Mt Koseiusko, treeline to 2135 m; Mt Koseiusko to Rawsons Pass, 2228 m; Seamans Hut to Etheridge Bluff; Snowy R. bridge, below Seamans Hut; Mt Koseiusko, 2160 m; Merritts Creek valley, 1960 m.
- E. pappocromus* Labill., robust, pubescent form. (Form C: Costin et al., 1979: 364.)
Happy Jacks, near huts; Brooks Hut, Happy Jacks Plain; Tooma R. headwaters, 1705 m; Grey Mare Hut, 1615 m; Pretty Point; Blue Lake track; Mt Koseiusko, treeline to 2135 m; between Etheridge Bluff & Seamans Hut.
- E. setosus* (Benth.) M Gray
Head of Pounds Creek, 2000 m; head of Blue Lake, 1920 m; Carruthers Creek, below Soil Conservation Hut; Mt Carruthers, 2010 m; below Hedley Moraine; W. side, Carruthers-Twynam saddle; Club Lake, 1890 m; Mt Townsend; Mt Stilwell, 1980 m; below & to the N. of Seamans Hut; Mt Koseiusko, treeline to 2135 m; Etheridge Range, 2012 m; Lake Cootapatamba.
- Ewartia nubigena* (F. Muell.) Beauverd
Mt Jagungal, 1920 m, 2040 m; slopes of Gungartan, c. 2000 m; below Guthega Trig., 1800 m; summit of Blue Cow, 1980 m; Carruthers Peak, near Soil Conservation Hut; Mt Townsend, 2210 m; above Lake Albina, 2070 m; Mt Koseiusko-Muellers Peak, 2100 m; Mt Stilwell, 2050 m; Upper Snowy R., 1920 m; ridge between Thredbo & Charlotte Pass; just below Seamans Hut, 2010 m; Mt Koseiusko, treeline to 2135 m, NE. below the summit, summit; Etheridge Range, 2136 m; Merritts Creek, 1950 m; Ramshead Range, E. of Merritts Spur, 1920 m.
- Gnaphalium argentifolium* N.A. Wakefield
Near summit, Gungartan, 2065 m; Daners Gap; Snowy R., 1600 m, 1630 m; head of Blue Lake, 1920 m; Soil Conservation Hut, N. of Carruthers Peak; Twynam-Carruthers saddle; 1 km SSW. of Hedley Tarn, 1860 m; Hedley Tarn, 1860 m; Blue Lake track, 1950 m; Club Lake, 1890 m; Lake Albina; Guthrie Range, 1760 m; Upper Betts Creek, 1760 m; Mt Stilwell, 2050 m; Upper Snowy R., below road bridge, 1920 m; between Etheridge Bluff & Seamans Hut; Etheridge Ridge; Mt Koseiusko, treeline to 2135 m; just below Seamans Hut, 2010 m; near summit, Mt Koseiusko; Rawson Pass; near Lake Cootapatamba.
- G. fordianum* M. Gray
Mt Jagungal, 2029 m; slopes of Gungartan, 2000 m; near summit, Gungartan, 2065 m; Mt Piper, 1750 m; Upper Diggers Creek, 1680 m; Guthega R., 1600 m; Snowy R. between Guthega Dam & Speneers Creek, 1630 m; Perisher; SE. end of Perisher Valley, 1738 m; Lake Albina; Spencers Creek, 1765 m; 1.6 km from Speneers Creek, towards Charlotte Pass, 1738 m; Etheridge spur, towards Mt Northote; Seamans Hut to Rawson Pass; Mt Stilwell, c. 2050 m; below Seamans Hut.
- G. gymnocephalum* DC. *sens. lat.*
Happy Jacks Plain, 1490 m.
- G. involucratum* Forst. f.
Near Round Mtn; Perisher Creek, 1590 m; E. of Daners Gap, 1475 m; Pipers Creek, 1575 m; near Dead Horse Gap, 1620 m.
- G. nitidulum* Hook. f.
Speneers Creek, 1738 m; between Mt Carruthers & Snowy R.-Club Lake Creek junction, 1890 m; Upper Snowy R., 1920 m; Seamans Hut; near Koseiusko summit; Etheridge Ridge, near Seamans Hut; Snowy R. bridge below Seamans Hut; Merritts Creek; Merritts Creek valley, 1960 m; Ramshead Range, E. of Merritts Spur, 1920 m.

G. traversii Hook. f.

Happy Jacks Plain, 1490 m; junction of Happy Jacks Creek tributary with Grey Mare track; Diggers Creek Lake, 1500 m; Daners Gap, 1675 m; Pipers Creek valley, 1580 m; Thompsons Plain, 1760 m; subalpine pastures on the Snowy R.; near snow, Mt Kosciusko.

G. umbricola J.H. Willis

Guthega Trig.; Blue Cow Creek, 1615 m; Snowy R., between Guthega Dam & Spencers Creek, 1630 m, 1620 m; Muellers Ridge, above Lake Albina; Mt Kosciusko, treeline to 2135 m.

G. sp.

McKeanies Creek catchment; E. of Gungartan Trig.; base of Mt Piper, 1680 m; Guthega R., 1585 m; Blue Cow Creek; Snowy R., below Spencers Creek, 1630 m; S. edge of Perisher Range; Spencers Creek, 1738 m, 1750 m; above Charlotte Pass, towards Kosciusko summit.

Helichrysum acuminatum DC.

Barneys Creek valley, Happy Jacks Plain; Boobee Hut, Happy Jacks Plain; Farm Ridge Hut; O'Keefes Hut; Jagungal to O'Keefes Hut; Schlink Pass road, spur above Geehi descent; Whites R. hut; above Hotel Kosciusko; above Sponars Inn; Hotel Kosciusko to Betts Camp; Pretty Point; Smiggin Holes; Mt Kosciusko, 1675 m-1830 m; head of Spencers Creek, 1830 m; Big Boggy, 1585 m, 1600 m.

H. adenophorum F. Muell. var. *waddelliae* J.H. Willis

Round Mtn; Boobee Hut, Happy Jacks Plain.

H. alpinum N.A. Wakefield

Grey Mare to Round Mtn trail; Mt Jagungal; below Mt Jagungal, 1890 m; The Kerries; Schlink Pass road, near hut near Pass; Guthega-Smiggin Holes road; Smiggin Holes-Perisher Creek road; Pipers Gap, 1738 m; Townsend, 1780 m; Betts Camp to Mt Kosciusko; above Charlotte Pass, on the road; Kangaroo Range, 5 km from Summit; below Seamans Hut; Seamans Hut to Rawson Pass; Mt Kosciusko, treeline to 2135 m, 1830 m-2135 m; Mt Kosciusko summit, 2240 m; Thredbo R. Gorge, 1675 m.

H. hookeri (Sond.) Druce

Happy Jacks Plain; Munyang Range; Dickie Cooper Creek; Pipers Creek valley, 1580 m; Perisher Creek; Hotel Kosciusko to Betts Camp; Australian Alps, 1524 m-1980 m; Prussian Creek; Mt Kosciusko, 1675 m to the summit; Big Boggy, 1600 m.

H. scorpioides Labill.

Boobee Hut, Happy Jacks Plain; Farm Ridge Hut, 1554 m; Rennix Gap; Mt Kosciusko, above Hotel; Pretty Point, 1675 m; Blue Lake; Mt Kosciusko, 1675 m to the summit; Spencers Creek, 1730 m; near Charlotte Pass; above Charlotte Pass, on road; road between Merritts Creek & Charlotte Pass, 1920 m; 100 m N. of Seamans Hut.

H. secundiflorum N.A. Wakefield

Below Far Bald Mtn; junction of Grey Mare track with Happy Jacks road; Boobee Hut, Happy Jacks Plain; Mt Jagungal, 1768 m; Schlink Pass road, spur above Geehi descent; Dickie Cooper Creek; vicinity of Mt Kosciusko Hotel; Perisher Creek, on Guthega road; Daners Gap, 1675 m; Mt Kosciusko, 1675 m; Pipers Creek valley, 1580 m; below Tate East Ridge; Mt Kosciusko, 1675 m to the summit; near Betts Camp, 1750 m; ridge between Mt Carruthers & Snowy R.-Club Lake Creek junction, 1890 m; 1.6 km from Charlotte Pass, on Summit road; Mt Kosciusko, treeline to 2135 m; between Snowy R. bridge & Seamans Hut; Boogong Creek, 1560 m.

H. thyrsoides (DC.) J.H. Willis & P.F. Morris

9 km towards Happy Jacks Pondage from junction of Grey Mare track with Happy Jacks road; Diggers Creek, 1524 m; Mt Kosciusko, to 1675 m; Daners Gap; Mt Kosciusko, 1675 m-2135 m; Big Boggy, 1600 m.

- Helipterum albicans* (A. Cunn.) DC. ssp. *alpinum* (F. Muell.) P.G. Wilson
Happy Jacks Plain, 1475 m; Tate East Ridge, c. 1800 m; below Blue Lake Moraine; Mt Townsend, 2120 m; above Lake Albina, 2070 m; Betts Camp to Mt Kosciusko; Wrights Creek, 1830 m; near Seamans Hut; summit, Mt Kosciusko; Rawson Pass; Snowy R. bridge, SE. of Seamans Hut; Ramshead Range, E. of Merritts Spur, 1920 m; W. slope of Ramshead.
- H. anthemoides* (Sieber ex Spreng.) DC.
Happy Jacks Plain, 1475 m; Grey Mare trail, near Round Mtn; slopes of Jagungal, 2040 m; Blue Cow Creek, 1620 m; Pretty Point; Sentinel Peak Ridge; Snowy R., above Guthega Dam, 1600 m; between Club Lake Creek-Snowy R. junction & Mt Carruthers, 1890 m; Snowy R., below Charlotte Pass; head of Spencers Creek, 1830 m; Cascade trail, near Dead Horse Gap, 1585 m.
- **Hypochoeris radicata* L.
Diggers Creek, 1540 m; Daners Gap, 1675 m; S. spur of Perisher, 1890 m; 1.6 km above Charlotte Pass, towards Kosciusko summit.
- Lagenifera stipitata* (Labill.) Druce var. *stipitata*
Happy Jacks Plain, 1490 m; near Round Mtn; Munyang, top of penstock, 1580 m; Mt Kosciusko, 1675 m; Pipers Creek valley, 1580 m; Guthega R., 1600 m; Blue Cow Creek, 1620 m; below Hedley Moraine, 1890 m; Blue Lake track, at Snowy R.; Charlotte Pass; Kangaroo Range; Snowy R., c. 0.5 km below junction with Merritts Creek, 1950 m; Seamans Hut.
- Leptorhynchos squamatus* (Labill.) Less. ssp.
Happy Jacks Plain; near Round Mtn; Barneys Creek valley, Happy Jacks Plain; Boobee Hut, Happy Jacks Plain; Grey Mare trail; near Daners Gap; Daners Gap, 1675 m; Pipers Creek, near Daners Gap; saddle S. of Blue Cow, 1850 m; Perisher Creek, 1600 m; Pretty Point; Mt Twynam; Smiggin Holes; Mt Lee-Mt Carruthers saddle; Perisher Gap; Blue Lake track, above Lake Albina; near Lake Albina; Spencers Creek bridge; Mt Northcote-Mt Lee saddle; W. slopes of Mt Northcote; Charlotte Pass; above Charlotte Pass, towards Mt Kosciusko summit; Kangaroo Range; Big Boggy, 1600 m; Cascade trail, near Dead Horse Gap.
- Microseris lanceolata* (Walp.) Sch.-Bip. *sens. lat.*
Happy Jacks Plain, 1490 m; Dickie Cooper Creek; above Island Bend, on Plains of Heaven track, 1524 m; Daners Gap, 1675 m; Lower Twynam Cirque, 1950 m; above Blue Lake; Carruthers Peak; below & to W. of Carruthers Saddle; Charlotte Pass; summit, Mt Kosciusko, 2120 m; Lake Cootapatamba, 2070 m; Big Boggy, 1600 m.
- Olearia algida* N.A. Wakefield
The Kerries; Dickie Cooper Creek; near Whites R. hut, 1705 m; Island Bend turn-off, Kosciusko road; Trefle Park, 1 km NE. of Daners Gap; Pipers Creek valley, 1580 m; Diggers Creek Reservoir, 1650 m; Perisher Creek, 1590 m; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; Perisher Gap, 1768 m; Betts Camp; David Moraine; Mt Kosciusko, above 1830 m; 0.8 km beyond Charlotte Pass, towards Mt Kosciusko summit.
- O. erubescens* (Sieber ex DC.) Dippel
Happy Jacks Plain, 1490 m; McKeahnies Creek catchment, Happy Jacks Plain; Guthega, 1645 m.
- O. megalophylla* (F. Muell.) F. Muell. ex Benth.
Happy Jacks, on ridge S. of huts, 1500 m; Hotel Kosciusko; Daners Gap, 1675 m; above Daners Gap, 1737 m; Perisher Creek, 1590 m; Pretty Point.
- O. phlogopappa* (Labill.) DC. var. *flavescens* (Hutchinson) J.H. Willis
Munyang Range, 1524 m; Mt Jagungal, 1615 m; near Schlink Pass, 1675 m; Munyang R., 1585 m; vicinity of Mt Kosciusko hotel; Daners Gap, 1675 m; Smiggin Holes-Munyang road; Perisher Creek, 1590 m; 0.75 km N. of Pretty Point, 1700 m; Smiggin Holes, 1675 m; Mt Kosciusko-Lake Albina track; E. side of Muellers Peak; Mt Kosciusko, treeline to 2135 m; Ramshead Range; Dead Horse Gap.

O. phlogopappa (Labill.) DC. var. *subrepanda* (DC.) J.H. Willis

Boobee Hut, Happy Jacks Plain; Schlink Pass road, above Geehi descent; Dickie Coopers Hut, Schlink Pass road; below Guthega Trig., 1770 m; Perisher Creek; SE. slope of Mt Guthrie; above Lake Albina; between Charlotte Pass & Snowy R., 1768 m; Charlotte Pass, 1830 m; Mt Kosciusko, treeline; Kangaroo Ridge, 6 km from Summit; Mt Kosciusko, treeline to 2135 m; summit, Mt Kosciusko; between Etheridge Bluff & Seamans Hut; near top of Thredbo Ski-lift, 1830 m.

O. phlogopappa (Labill.) DC. var.

The Kerries; Schlink Pass road; Hotel Kosciusko; Daners Gap, 1675 m; Mt Kosciusko, 1675 m, up to 1675 m; Perisher Creek; Blue Cow Creek, 1650 m; Thompsons Plain; Snowy R., between Guthega Dam & Spencers Creek, 1680 m; between Charlotte Pass & Snowy R.

**Onopordum acanthium* L.

Smiggin Holes, 1700 m.

Parantennaria uniceps (F. Muell.) Beauverd

0.8 km E. of Gungartan Peak; between Guthega Trig. & Consett Stephen Pass, 1940 m; Mt Tate, 1830 m; Spencers Creek, 1737 m; above Blue Lake, 1920 m; Hedley Tarn, 1860 m; Betts Creek, 1752 m, 1760 m; NE. below Mt Northcote, 1900 m; Muellers Peak; below Mt Stilwell, 1980 m; 0.5 km below junction of Snowy R. & Merritts Creek, 1950 m; Mt Kosciusko, treeline to 2135 m; Etheridge Range; Snowy R. bridge, below Seamans Hut; Merritts Creek; Upper Snowy R. valley, 2000 m; head of Snowy R.; Lake Cootapatamba; Ramshead Range, E. of Merritts Spur, 1920 m.

**Picris hieracioides* L. ssp. *hieracioides*

White R., on aqueduct; Hotel, Mt Kosciusko; Mt Kosciusko, up to 1675 m; Guthega Dam, 1600 m; Blue Cow Creek, 1620 m; Spencers Creek to Thredbo R., 1705 m; beyond Charlotte Pass, towards Mt Kosciusko summit; Boogong Creek, 1560 m; Dead Horse Gap.

Podolepis hieracioides F. Muell.

Mt Kosciusko, up to 1675 m.

P. jaceoides (Sims) Voss

Happy Jacks Ecological Station, Happy Jacks Plain.

P. robusta (Maiden & Betche) J.H. Willis

Happy Jacks Plain; Happy Jack ridge S. of huts, 1524 m; O'Keefes Hut, Happy Jacks Plain; Mt Jagungal; Schlink Pass road, spur above Geehi descent, 1675 m; near Kosciusko Hotel; Pretty Point; Mt Kosciusko, up to 1675 m; near Perisher Gap; Betts Camp; Betts Camp to Mt Kosciusko; Spencers Creek bridge, Kosciusko road; Mt Kosciusko, 1675 m to 1830 m; Snowy R., below Charlotte Pass, 1737 m; Kangaroo Ridge, 4 km from Kosciusko summit; Big Boggy, 1600 m, 1650 m.

Rutidosia leiolepis F. Muell.

Happy Jacks Plain, 1475 m; near Brooks Hut, Happy Jacks Plain.

Senecio sp. (aff. *apargiifolius* Walp.)

Below Hotel Kosciusko; Boggy Plains, Kosciusko road; near Spencers Creek; Spencers Creek huts; Spencers Creek, 1730 m; near Charlotte Pass; S. of Mt Stilwell, on Thredbo escarpment, 2000 m.

S. sp. (aff. *glomeratus* Desf. ex Poir.)

Barneys Creek valley; Diggers Creek, 1554 m; Wragges Creek, 1600 m; Guthega Dam, 1590 m; Thompsons Plain; Mt Kosciusko, 1524 m to the summit.

S. gunnii (Hook. f.) Belcher

Happy Jacks Plain, 1490 m; NW. slope of Round Mtn; Barneys Creek valley; Mt Jagungal; Mt Kosciusko, up to 1675 m; Blue Cow Creek, 1650 m; Thompsons Plain; Prussian Creek, 1650 m; Spencers Creek, 1730 m; Pipers Gap, 1720 m; near Blue Lake; Charlotte Pass-Blue Lake track, 1830-1890 m; Charlotte Pass; Kangaroo Range, c. 5 km from Kosciusko summit.

- S. lautus* Forst. f. ex Willd. ssp. *alpinus* Ali
Happy Jacks Plain, 1490 m; Mt Jagungal, 1980 m; Pipers Creek, near Smiggins Ridge; Hotel Reservoir catchment; N. slope of Blue Cow, 1830 m; Mt Kosciusko, up to 1675 m; Pretty Point; Lower Twynam Cirque, 1950 m; 1 km WSW. of Twynam Trig., 2135 m; Prussian Creek; Hotel Kosciusko to Betts Camp; Carruthers Peak, 2025 m; Mt Kosciusko, 1675 m to the summit; S. spur of Perisher, 1890 m; near the Chalct, Mt Kosciusko; Seamans Hut; Mt Kosciusko, treeline to 2135 m, 2165 m; summit, Mt Kosciusko, 2240 m; near Rawsons Pass; Snowy R. bridge, below Seamans Hut; near Lake Cootapatamba; Big Boggy, 1600 m; Cascade trail, near Dead Horse Gap, 1585 m.
- S. linearifolius* A. Rich.
Jagungal, 1675 m; above Hotel Kosciusko, 1524 m; Perisher Creek, 1590 m; above Smiggin Holes, Guthega road.
- S. pectinatus* DC.
Mt Jagungal 1995 m; Snowy R., below Guthega Dam, 1550 m; Lower Twynam Cirque, 1950 m; between Guthega Dam & Spencers Creek, 1630 m; Lower Spencers Creek, 1730 m; Carruthers Track; Mt Lee to Mt Northcote; near Mt Townsend, 2135 m; above Lake Albina, 2070 m; Blue Lake to Snowy R.; Mt Northcote; Charlotte Pass; Mt Stilwell, c. 2050 m; Mt Kosciusko, treeline to 2135 m, 2135 m; Snowy R. bridge, below Seamans Hut; Lake Cootapatamba.
- **Sonchus asper* (L.) Hill
Rennex Gap, 1590 m.
- **Taraxacum officinale* Weber ex Wiggers *sens. lat.*
Daners Gap, 1675 m; Blue Cow Creek, 1635 m.
- **Tragopogon dubius* Scop.
Between Smiggin Holes & Wragges Creck, 1650 m.

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