

Coprosma rhamnoides
Coprosma spathulata
Corynocarpus laevigatus
Dracophyllum latifolium
Elaeocarpus dentatus
Geniostoma rupestre var. *ligustrifolium*
Griselinia lucida
Knightia excelsa
Leptospermum scoparium
Melicytus macrophyllus
Melicytus ramiflorus
Metrosideros excelsa
Metrosideros perforata
Myrsine australis
Nertera dichondrifolia
Nothofagus truncata
Olearia rani
Pittosporum cornifolium
Pseudopanax arboreus
Quintinia serrata
Rubus cissooides
Sophora microphylla
Syzygium maire
Vitex lucens

Coprosma robusta
Corokia buddleioides
Cyathodes juniperina
Dysoxylum spectabile
Elatostema rugosum
Gonocarpus incanus
Hedycarya arborea
Kunzea ericoides
Leucopogon fasciculatus
Melicytus micranthus (seedling)
Metrosideros diffusa
Metrosideros fulgens
Mida salicifolia
Myrsine salicina
Nestegis lanceolata
Olearia furfuracea
Parsonsia sp.
Pittosporum tenuifolium
Pseudopanax crassifolius
Rubus australis
Schefflera digitata
Streblus heterophyllus
Toronia toru
Weinmannia silvicola

Monocotyledons

Acianthus sinclairii
Astelia trinervia
Bulbophyllum pygmaeum
Carex dissita
Carex secta
Collospermum hastatum
Cordyline banksii
Corybas oblongus
Dianella nigra
Earina mucronata
Gahnia lacera
Gahnia setifolia
Lepidosperma australe
Oplismenus imbecillis
Pterostylis trullifolia
Ripogonum scandens
Schoenus tendo
Typha orientalis
Uncinia uncinata

Astelia solandri
Baumea tenax
Caladenia sp.
Carex lessoniana
Carex virgata
Cordyline australis
Cordyline pumilio
Dendrobium cunninghamii
Drymoanthus adversus
Freycinetia banksii
Gahnia pauciflora
Gahnia xanthocarpa
Microlaena avenacea
Pterostylis brumalis
Rhopalostylis sapida
Schoenus maschalinus
Thelymitra sp.
Uncinia banksii
Uncinia zotovii

Two interesting native sedges for the Auckland Region

E. K. Cameron and A. P. Pegman

In June 1996 while surveying the vegetation at Whatipu, west Auckland, one of us (APP) collected specimens to be identified. Two of these have turned out to be extremely interesting native sedges: *Schoenus concinnus* (*S. nitens* var. *concinnus*) (AK 228444) and *S. nitens* (AK 228445) (see Figure 1). They were both collected on dune flats amongst oioi (*Leptocarpus similis*) and *Juncus bufonius*.

Figure 1. (A) *Schoenus concinnus* (AK 228444) and (B) *S. nitens* (AK 228445), both life-size.



A search of AK, AKU, CHR and WAIK herbaria revealed only one other record for the Auckland Region:

S. nitens: South Head, Kaipara, Moar 1950 (CHR 69765).

A. Herbarium records to the north of the Auckland Region:

Schoenus concinnus (2 sites)

Te Paki Stream, 90 Mile Beach, *Esler* 1974 (CHR 276408), a new northern geographical limit

Karikari Peninsula, *Cooper, Mason & Moar* 1949 (AK 35807)

Karikari Bay, *Mason & Moar* 1949 (CHR 69714)

Karikari Beach, *Rawlings* 1975 (CHR 274283)

Karikari Peninsula, *P. C. Gardner* 1994 (AK 221631)

Schoenus nitens (2 sites)

Tauroa Peninsula, S. W of Ahipara, *P.J. Bellingham* 1985 (AK 175816), a new New Zealand northern geographical limit

Lake Taharoa, Kaiwi Lakes, *Mason & Esler* 1970 (CHR 214323).

B. To the south of the Auckland Region (based on herbarium records, Moore & Edgar (1970) and Johnson & Brooke [1989])

S. concinnus - it is only found at higher elevations in the rest of the North Island (e.g. Mt Ruapehu, Kaimanawa Ranges, Mt Taranaki) and is more widespread in the South and Stewart Islands (New Zealand endemic).

S. nitens - there is one specimen from Athenree, Tauranga, *K. Wood* 1952 (AK 70826) and then much further south (Hawkes Bay, Levin, Wairarapa), south to Nelson and also in Chatham Is (also in Australia, New Guinea).

The build up and extension of the Whatipu Sands area is relatively recent (*Esler* 1974, *Cameron* 1989) and it is therefore not too surprising to find new native species migrating to these now extensive sand flats. On the other hand both are small monocots, a group not often investigated and therefore may have been overlooked in the past on the extensive Whatipu dune area.

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References

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