

35° 13' S, Bay of Is, Urupukapuka I, Jan 1980, *Wright 3308*, AK 151144;
 35° 14' S, Bay of Is, Poroporo I, Jan 1980, *Wright 3340*, AK 151422;
 35° 15' S, Flagstaff Hill, Russell, Nov 1985, *Adam*, AK 278203;
 35° 15' S, Bay of Is, Motukauri, Jan 1980, *Wright 3461*, AK 151377;
 35° 17' S, Paihia, Dec 1981, *Sykes 485/81*, CHR 400858 (dups NZFRI, WELT);
 [35° 28' S], Cavalli Is, Motukawanui, Oct 1976, *Olsen*, AK 155147;
 35° 29' S, Hokianga, Maukoro Pa, Jan 1977, *Wright 1647*, AK 141232;
 35° 30' S, N Hokianga Harbour, Dec 1985, *Bellingham 465*, AK 174917;
 35° 30' S, Bay of Is, Motatau, Dec 1985, *Bellingham 469*, AK 174832;
 35° 31' S, Opononi, Oct 1970, *Hynes*, AK 127644;
 35° 32' S, Hokianga, South Head, Nov 1989, *Wright 9500*, AK 189985;
 35° 32' S, Hokianga, South Head, Nov 1989, *Sykes 434/89*, CHR 464996;
 35° 39' S, Ngunguru, Nov 2000, *Parr*, AK 282019;
 35° 39' S, Ngunguru, Jan 2005, *Cameron 12765*, AK 289217;
 35° 46' S, Whangarei, Tamaterau, Jan 1983, *Devonshire*, CHR 404712;
 35° 48' S, Whangarei Harbour, Portland, Jan 2005, *Cameron 12783*, AK 289218;
 36° 16' S, Pouto, N of Kaipara North Head, Jan 2001, *Cameron 10519*, AK 252642;
 36° 23' S, Okahukura Peninsula, Aug 1995, *Cameron 8199 & Wright*, AK 223773;
 36° 27' S, Kaipara South Head, Mar 2005, *Cameron 13048*, AK 289602;
 40° 50' S, E Takaka, Tarakohe, Jan 1990, *Johnson 881*, CHR 465133;
 40° 50' S, E Takaka, Tarakohe, Jan 2003, *Cameron 11390*, AK 283357.

***Carex maculata* – a new introduced sedge in New Zealand**

Mike Wilcox

Two introduced sedges – *Carex brownii* from Australia and *Carex hirsutella* from North America – have recently been found in the Auckland region (Wilcox 2004a, 2004b). The record of *Carex hirsutella* – from Stoney Creek Forest near Kaukapakapa – is the first and only record so far of this species in New Zealand. In November 2001 I found another apparently introduced *Carex* sedge in Stoney Creek Forest (Wilcox and Clapperton 2001), and this was given the name *Carex* “Waitoki” by McKain (2004), its identity being a mystery (AK 255406).

In February 2005, a botanical visitor from Canada, Randy Olsen, was shown specimens of *Carex* “Waitoki” in the Herbarium at the Auckland War Memorial Museum (AK) and identified it as *Carex maculata* Boot, a sedge native to eastern Australia, Papua New Guinea, and New Caledonia, where it grows in wet places within rainforest. It has also been called *Carex neurochlamys* F.Muell. (Wilson 1993, Jaffré *et al.* 2001).

Characteristics of *Carex maculata*, as described by Wilson (1993) are:

- sheath of leaves with thin portion red dotted
- inflorescence erect, narrow, spikes sessile or lowest pedicellate, upper contiguous, lower distant
- styles 3-fid
- utricles 2-3mm long, minutely papillose, strongly ribbed
- male glumes not mucronate or with mucro shorter than body of glume

Carex maculata occurs in Stoney Creek Forest at two sites. The first place I saw it was on the edge of a shaded creek in second-growth bush. It looked vegetatively like a typical Auckland native bush *Carex* such as *C. lambertiana* or *C. ochrosaccus*, but the flower heads were narrow and green. Another five plants were later found nearby on a disused, overgrown logging track under mature pines.

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References

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