

SUPPLEMENTAL APPENDIX 1. *Sarcocornia* specimens examined.

Sarcocornia capensis. SOUTH AFRICA. **Western Cape:** Bredasdorp, Mierekraal, 23 Mar 2003, *Mucina* 7453/1 (NBG). Cape Town, flats between Noord Hoek and Kommetjie, Mar 1918, *Pillans* 3222 (BOL). Cape Town, Kenilworth Race Course, 23 Nov 1964, *Esterhuyzen* 30850 (BOL). Cape Town, Milnerton, 27 Feb 1924, *Moss* 11621 (J, PRE), 20 Apr 2006, *Steffen & Köcke* 200406/07 (MJG, NBG). Cape Town, Muizenberg Vlei, 14 Nov 1897, *Wolley Dod* 3590 (BOL). Cape Town, Noordhoek, Feb 1918, *Moss* 3133 (J), 10 Mar 1918, *Pillans* 3144 (J). Cape Town, Paardeneiland, 05 Dec 1962, *Tölken* 165b (BOL), 06 Dec 1962, *Tölken* 165 (PRE, NBG), 10 Apr 1964 *Tölken* 551 (NBG, PRE). Cape Town, Raapenburg Vlei, 05 Jun 1897, *Wolley Dod* 2690 (BOL). Cape Town, Riet Vlei, 31 Mar 1918, *Pillans* 3229 (BOL). Cape Town, Ronde Vlei, Jan 1920, *Andreae* 237 (NBG). Cape Town, Rugby, 28 May 1963, *Tölken* 326 (BOL, NBG, PRE). Cape Town, Wynberg, Isoetes Vlei, 03 Apr 1963, *Tölken* 304 (BOL, NBG, PRE). Cape Town, Wynberg, SE of Ottery Estates, 05 May 1963, *Tölken* 323 (NBG, PRE). Darling, 08 Dec 2000, *Mucina* 081200/2 (MJG, NBG), 14 Apr 2006, *Steffen & Mucina* 140406/03 (MJG). Elim, E of Brakpan, 16 Mar 2001, *Mucina* 6916/1 (NBG). Elim, road Struisbaai–Bredasdorp, 26 Nov 2000, *Janssen & Mucina* JJ261100/12 (NBG). Franskraal, Uilenkraals estuary, 05 Mar 1964, *Tölken* 500 (PRE), 05 Mar 1964, *Tölken* 503 (NBG), 17 Mar 1987, *O’Callaghan* 1523 (NBG), 03 Nov 1987, *O’Callaghan* 3113 (NBG), 31 Dec 1999, *Mucina* 6797/3 (NBG), 26 Nov 2000, *Janssen & Mucina* JJ261100/4 (MJG), 1 Sep 2001, *Mucina* 7202/2 (MJG, NBG), *Mucina* 7200/5 (MJG, NBG), 05 Apr 2006 *Steffen & Mucina* 050406/15 (MJG, NBG). Hermanus, 30 Jan 1926, *Guthrie* 18834 (BOL). Malmesbury, Mamre Road, 12 Oct 1940, *Compton* 9812 (NBG). Pearly Beach, Ratterrivier Farm, 26 Nov 2000, *Mucina* 261100/04 (NBG). Stellenbosch, 1 mile W of Kuilsrivier, Feb 1963, *Tölken* 301 (BOL, NBG, PRE). Strand, Harmony Flats, 26 Sep 2004, *Mucina* 260904/11 (MJG, NBG). Struisbaai, Heuningnes estuary, 23 Mar 2003

Walter & Mucina 5090, 5091 (NBG, WU), 04 Apr 2006, *Steffen & Mucina 040406/12* (MJG, NBG), 17 Mar 2007 *Mucina & Steffen 170307/02* (NBG). Struisbaai, Vogelzang Farm, 23 Mar 2003, *Walter & Mucina 5079, 5080, 5081* (NBG, WU). Struisbaai, W of Zoetendalsvlei, 05 Apr 2006, *Steffen & Mucina 050406/05* (MJG, NBG). Yzerfontein, E of Salt Pan, 14 Apr 2006, *Steffen & Mucina 140406/31* (MJG, NBG). Yzerfontein, Kerri Fontein Farm, 26 Aug 2000, *Mucina 260800/7* (MJG). **Eastern Cape:** Port Elizabeth, Swartkops estuary, 11 Mar 1953, *Archibald 5818* (BOL), 30 Jan 1963, *Throughton 137* (PRE).

***Sarcocornia decumbens*. SOUTH AFRICA. Western Cape:** Bredasdorp, banks of Goede Hoop Vlei, 06 Mar 1964, *Tölken 518* (NBG). Bredasdorp, De Hoop Nat. Res., De Hoopvlei, 02 Dec 2004, *Mucina 021204/2* (MJG), 04 Apr 2006, *Mucina 7544/02* (MJG), 04 Apr 2006, *Steffen & Mucina 040406/01* (MJG), *040406/02* (MJG, NBG), 04 Apr 2006, *Steffen & Mucina 040406/08* (MJG, NBG). Bredasdorp, Ouplaas, north of De Hoop Nat. Res., 11 Feb 2005, *Mucina 110205/15* (MJG, NBG). Bredasdorp, Patryskraal, road Ouplaas–Bredasdorp, 05 Apr 2006, *Steffen & Mucina 050406/12* (NBG). Duivenhoks River estuary, 28 May 1984, *O’Callaghan, Fellingham & van Wyk 378* (NBG). Elim, road Struisbaai–Bredasdorp, 26 Nov 2000, *Janssen & Mucina JJ261100/11* (NBG). Franskraal, Uilenkraals River estuary, 01 Sep 2001, *Mucina 7205/1* (MJG), date unknown, *Janssen 7018/1* (NBG). Gouritzmond, Gouritz River estuary, 17 Jun 1963, *Tölken 352* (PRE). Gouritzmond, Gouritz Estuary, Johnson's Post, 04 May 2006, *Steffen & Mucina 040506/12*, (MJG, NBG). Gouritzmond, Gouritz River estuary, SW side of the mouth, 14 Mar 1998, *Oliver 11101* (NBG). Hartenbos River estuary, 04 May 2006, *Steffen & Mucina 040506/21* (MJG). Klein Brakrivier estuary, 04 May 2006, *Steffen & Mucina 040506/16* (MJG, NBG), Dec 1920, *Moss 4345* (J). Kleinmond (Overberg), 24 Mar 1987, *O’Callaghan 1566* (NBG). Malgas, Potberg, 25 Mar 1966, *Levyns 11550* (BOL). Mosselbaai, Groot Brakrivier estuary, 12 Feb 1920, *Moss 4344* (J), Feb 1926, *Bolus 18805, 18806* (BOL), 19 Jun 1963, *Tölken 362* (PRE, BOL), 02 Dec 2004, *Mucina 021204/02* (MJG), 02 Dec 2004, *Mucina 021204/01* (NBG).

Riviersonderend, 10 miles W of Riviersonderend, 14 Jul 1963, *Tölken 416* (PRE). Struisbaai, Heuningnes River estuary, 05 May 1950, *Taylor 105* (BOL), 04 Apr 2006, *Steffen & Mucina 040406/15* (NBG). Struisbaai, Molshoop, opposite of entrance to Corona Farm, 26 Aug 2000, *Mucina 6903/2* (MJG), 23 Mar 2003, *Walter & Mucina 5098, 5099* (NBG, WU), 05 Apr 2006, *Steffen & Mucina 050406/01* (MJG, NBG). Struisbaai, Vogelzang Farm, 23 Mar 2003, *Walter & Mucina 5083* (NBG, WU), 04 Apr 2006, *Steffen & Mucina 040406/19* (MJG, NBG), 17 Mar 2007, *Mucina 170307/08* (MJG). Struisbaai, Zeekoeivlei, 06 Mar 1964, *Tölken 511* (NBG, PRE). Swellendam, 4 miles from Spitskop to Swellendam, 06 Mar 1964, *Tölken 523* (NBG, PRE). Swellendam, banks of Freek Botha River, 14 Jul 1963, *Tölken 413* (NBG, PRE). Swellendam, Kleinfontein Farm, 23 Apr 2006, *Steffen & Mucina 230406/10* (MJG, NBG). Swellendam, Uitflugt, 12 Feb 2000, *Mucina 6805/2* (MJG, NBG). **Eastern Cape:** Cefane Estuary, 11 Jul 1984, *O'Callaghan 1029* (NBG). Cintsa Estuary, 27 Mar 1973, *Strey 11208* (PRE). Great Fish River estuary, 25 Jun 1963, *Tölken 395* (PRE), 15 Jul 1984, *O'Callaghan 1092* (NBG), 09 May 2006, *Steffen & Köcke 090506/15* (NBG). Gxulu Estuary, 09 Mar 1929, *Galpin 9590* (PRE), 14 Jul 1984, *O'Callaghan 1053* (NBG). Hamburg, Keiskamma River estuary, 05 Dec 1956, *Comins 1612* (PRE), 25 Jun 1963, *Tölken 399* (PRE). Jefferey's Bay, Gamtoos River estuary, 20 Jun 1963, *Tölken 378* (PRE), 28 Apr 2001, *Mucina 6927/3* (NBG), 07 May 2006, *Steffen & Köcke 070506/13* (MJG, NBG). Jefferey's Bay, Kabeljous River estuary, Nov 1928, *Fourcade 4218* (BOL, NBG), 20 Jun 1963, *Tölken 369* (PRE), 07 May 2006, *Steffen & Köcke 070506/27* (MJG, NBG). Kei River estuary, Jan 1934, *Moss 27425* (BOL, PRE). Kenton-on-Sea, Ghio, 01 Oct 2001, *Mucina 7280/1* (MJG, NBG), 17 Mar 2003, *Walter & Mucina 4991* (NBG, WU), 4992 (NBG, WU), 4993 (NBG, WU). Kenton-on-Sea, Kasouga River estuary, 09 Jan 1974, *Dahlstrand 3114* (J). Kleinemonde E, Lynedoch River, 04 Jul 1976, *Ward 8894* (PRE). Morgan Estuary, 11 Jul 1984, *O'Callaghan 933* (NBG). Nyara Estuary, 14 Jul 1984, *O'Callaghan 968* (NBG). Port Alfred, Kowie River estuary, 20 Feb 1925, *Britton 5200* (J), Mar 1925, *Britton 5205* (J), 22

Nov 1925, *Britton 5201* (J), 09 May 2006, *Steffen & Köcke 090506/19* (MJG, NBG). Port Alfred, Kowie River estuary, near Bay of Biscay, 20 Feb 1925, *Britton 5199* (J). Port Alfred, on road no. 13 to Grahamstown, 13 Dec 1946, *M. Moss 20844* (J). Port Alfred, date unknown, *Britton 2078* (J). Port Elizabeth, 11 May 1929, *Lurie 18112* (BOL, J), 30 Jan 1963, *Troughton s.n.* (PRE). Port Elizabeth, Amsterdamhoek, 06 Mar 1965, *Dahlstrand 357* (PRE). Port Elizabeth, Cape Recife, date unknown, *Zeyher 5* (NBG), date unknown, *Zeyher 43481* (NBG). Port Elizabeth, Coega Salt Works, 01 May 2001, *Mucina 6938/9* (NBG), 18 Mar 2003, *Mucina 7371/1* (NBG), 18 Mar 2003, *Walter & Mucina 5003* (NBG, WU), Port Elizabeth, Red House, 19 Jan 1953, *Archibald 4891* (BOL). Port Elizabeth, Swartkops River estuary, 11 Mar 1953, *Archibald 5819* (BOL), 08 Jan 1963, *MacNae s.n.* (PRE), 30 Jan 1963, *Troughton 36912* (J), 18 Mar 2003, *Mucina 7373/1* (NBG), date unknown, *van Zinderen 5* (PRE). St. Francis Bay, Kromme River estuary, at the bridge, 07 May 2006, *Steffen & Köcke 070506/23* (MJG). MOZAMBIQUE. Costa da Sol, between Lourenço Marques [today Maputo], Feb 1963, *MacNae 8* (PRE), date unknown, *Tölken 1095* (PRE), 01 Dec 1917, *Moss & Rogers 4339* (J). Inhaca Island, Jul 1939, *Moss 27424* (J), 05 Jan 1950, *Moss 27630* (J, PRE), 05 Jan 1950, *M. Moss 27632* (BOL, J, PRE), date unknown, *Mogg 27759A* (PRE), 19 Jun 1962, *Mogg 29797* (J, PRE), date unknown, *Mogg 31610* (PRE), 17 Jul 1957, *Mogg 29574* (J), 11 Jul 1957, *Mogg 27283* (J), Jan 1952, *Moss 27906* (BOL, J). Lourenço Marques [Maputo], 01 Dec 1917, *Moss & Rogers 3136* (J), *MacNae 36926* (J). Lourenço Marques [Maputo], between Matola and Lourenço Marques [Maputo], date unknown, *Tölken 1092* (PRE). Port Melville, 12 Jul 1934, *M. Moss 27422* (J).

***Sarcocornia decussata*.** SOUTH AFRICA. **Western Cape:** Piketberg, ca. 5 km NW of Eendekuil Kruisrivier, 01 Feb 2002, *Helme 2618* (NBG). Piketberg, 3 km S of Eendekuil along river valley E of Kardrift, 01 Feb 2002, *Helme 2619* (NBG). Piketberg, Eendekuil, 20 Jan 2003, *Mucina 200103/8* (MJG, NBG). Piketberg, Eendekuil, Draaihoek Farm, 20 Jan 2003, *Mucina 200103/8* (MJG), 26 Mar 2006, *Steffen & Mucina 260306/11* (MJG).

Reddelingshuys, Koopmanskraal, on road Piketberg–Elandsbaai, at the end of tar road, 27 Mar 2004, *Mucina 270304/2* (NBG), 26 Mar 2006, *Steffen & Mucina 260306/10* (MJG, NBG). Piketberg, at road to Aurora, 19 Apr 2006, *Steffen & Köcke 190406/24* (MJG, NBG). Piketberg, Aurora, Farm Schaape Kraal 98, near Boesmanskraal, 27 Mar 2007, *Mucina & Steffen 270307/23* (MJG).

Sarcocornia dunensis. NAMIBIA. Lüderitz, Mar 1924, *Moss 11892* (J), 17 Jul 1925, *Moss 11707* (J), 9 Jul 1925, *Moss 11629* (J), 13 Jan 1930, *Moss 18048* (J). Lüderitz Bay, at the end of the lagoon, E bank, 04 Jan 1964, *Tölken 461* (PRE). Lüderitz, Diaz Cross on D 701, 06 Dec 2005, *Mucina 061205/05* (MJG). Lüderitz Bay, Diaz Point, 05 Jan 1964, *Tölken 469* (PRE). Lüderitz Bay, Große Bucht, 04 Jan 1964, *Tölken 464* (PRE). Lüderitz, Guano Bay near Diaz Cross, 06 Dec 2005, *Mucina 061205/06* (MJG). Lüderitz, Halifax Bay, 05 Jan 1964, *Tölken 471* (PRE). Lüderitz Bay, W bank, end of lagoon, 05 Jan 1964, *Tölken 466* (PRE). Lüderitz, Radford Bay, 01 Feb 1929, *Dinter 6012* (BOL, NBG), 10 Apr 1949, *Kinges 2043* (PRE), 07 Aug 1959, *Giess & van Vuuren 704* (BOL, PRE), 04 Jan 1964, *Tölken 457* (NBG, PRE), 458 (NBG).

Sarcocornia freitagii. SOUTH AFRICA. **Western Cape:** Velddrif, road Velddrif—Piketberg, near Grootrug, 20 Jan 2003, *Mucina 200103/6* (NBG), 28 Mar 2003, *Walter & Mucina 5145, 5146* (WU). Velddrif, Tsaars Kuil Farm, 19 Apr 2006, *Steffen & Köcke 190406/25* (MJG, NBG), 17 May 2006, *Steffen & Mucina 170506/01* (MJG, NBG). Velddrif, Soutkloof Farm, 27 Mar 2007, *Mucina & Steffen 270307/13* (MJG, NBG). Velddrif, border between Klipheuwel and Kersefontein Farms, 27 Mar 2007, *Mucina & Steffen 270307/15* (MJG, NBG). Velddrif, Steenbokfontein Farm, 27 Mar 2007, *Mucina & Steffen 270307/18* (MJG, NBG).

Sarcocornia littorea. SOUTH AFRICA. **Northern Cape:** Hondeklipbaai, N of Aristeia ship wreck, date unknown, *Mucina 7501/3* (MJG). Hondeklipbaai, S and N of town, Oct 1924, *Pillans 18217* (BOL, NBG). Oubeep, 22 Aug 1978, *le Roux & Ramsey 156* (NBG,

PRE). Port Nolloth, McDougall's Bay, at Kreefstraat, 29 Apr 2007, *Mucina* 290407/02 (MJG). Port Nolloth, coast in town, 17 Aug 1997, *Mucina* LM6431/1 (NBG). **Western Cape:** Betty's Bay, Maasbaai, Cape Hangklip, 26 Dec 1985, *Moffett* 3814 (NBG, PRE). Betty's Bay, Maasbaai, between Cape Hangklip and Ospunt, date unknown, *Rourke 1* (BOL, PRE). Cape Agulhas, 01 Dec 1933, *Salter* 4128 (BOL), 02 Mar 1961, *Walsh s.n.* (NBG, PRE), 10 Dec 1935, *Pillans* 8101 (BOL). Cape Peninsula, Camps Bay, 11 Apr 2006, *Steffen & Mucina* 110406/2 (MJG, NBG), 6 Dec 1918, *Moss* 3132 (J). Cape Peninsula, Camps Bay, Bakoven, 24 Jun 1962, *Tölken* 152 (BOL). Cape Peninsula, Camps Bay, shore N of Camps Bay, 29 Aug 1897, *Wolley Dod* 3056 (BOL). Cape Peninsula, Cape Point, Bordjiesdrif, 01 Sep 1962, *Tölken* 160 (BOL). Cape Peninsula, Cape Point, Buffels Bay, 01 Sep 1962, *Tölken* 159 (BOL), 21 Dec 1973, *Taylor* 8695 (NBG). Cape Peninsula, Cape Town, 13 Feb 1924, *Moss* 8775 (J, isotype of *Arthrocnemum littoreum*, PRE, holotype of *Arthrocnemum littoreum*), date unknown, *Marloth* 8971 (PRE), Feb 1918, *Page s.n.* (BOL). Cape Peninsula, coast S of Kalk Bay, 24 Feb 1918, *Pillans* 3242 (BOL, PRE). Cape Peninsula, Hout Bay, Feb 1924, *Smuts s.n.* (NBG). Cape Peninsula, Kommetjie, 01 Sep 1962, *Tölken* 158 (BOL), 27 Apr 1956, *Simons* 88 (BOL, PRE), date unknown, *MacNae* 52372 (PRE). Cape Peninsula, 0.5 miles N of Olifantsbosch, 19 Sep 1962, *Tölken* 165a (BOL). Cape Peninsula, Olifantsbosch, 03 Oct 1954, *Isaac s.n.* (BOL). Dassen Island, 02 Sep 1979 *Brooke* 24 (BOL). Franskraal, Uilkraalsmond, 24 Mar 2003, *Walter & Mucina* 5105, 5106 (NBG, WU). Franskraal, Uilkraalsmond, N of road bridge, 05 Apr 2006, *Steffen & Mucina* 050406/16 (MJG, NBG). Franskraal, Uilkraalsmond, near camping site, 26 Nov 2000, *Janssen & Mucina* JJ261100/5 (NBG), 26 Nov 2001, *Mucina* 6899/1 (MJG). Franskraal, Uilkraalsmond, S of road bridge, 1 Sep 2001, *Mucina* 7209/1 (MJG, NBG). Gansbaai, Danger Point, 09 Apr 1979, *Hugo* 1695 (NBG, PRE), 15 Jan 1941, *Pillans* 9539 (BOL), 30 Dec 1940, *Compton* 10212 (NBG). Hermanus, Mossel River, Jan 1921, *Guthrie* 17210 (BOL). Hermanus, Voelklip, on the coast, 23 Apr 2006, *Steffen & Mucina* 230406/17 (MJG, NBG). Knysna, 01 Dec 1924, *Adamson*

8763 (J). Knysna, Noetzie, 21 Mar 2003, *Walter & Mucina 5044, 5045* (NBG, WU), 27 Feb 1925, *Phillips 601* (PRE). Langebaan, in rock crevices, 19 Jan 1964, *Tölken 477* (PRE, NBG). Langebaan, Langebaan Lagoon, Seeberg Bird Hide, 14 Apr 2006, *Steffen & Mucina 140406/18* (MJG, NBG). Langebaan, Langebaan Lagoon, W side of the lagoon, 500 m N of Stofbergfontein, 07 Mar 1987, *O'Callaghan 1503* (NBG), 25 Nov 1987, *O'Callaghan 25 11 5* (NBG). Mossel Bay, 15 Feb 1920, *Moss 4341* (J), Jan 1917, *Burt Davy 15639* (BOL). Paternoster, Cape Columbine Nat. Res., 06 Feb 2000, *Mucina 6803/5* (NBG), 19 Apr 2006, *Steffen & Köcke 190406/08* (MJG). Paulsberg, rocky shore below Paulsberg, 19 Sep 1897, *Wolley Dod 3012* (BOL). Pearly Beach, Buffelsjags, Die Dam, 05 Apr 2006, *Steffen & Mucina 050406/08* (MJG, NBG), 26 Nov 2000, *Janssen & Mucina JJ6956/1* (NBG). Plettenberg Bay, 19 Jan 1932, *Kapp 122* (PRE), Dec 1921, *Smart 37976* (J). Plettenberg Bay, Robberg, 25 Apr 1984, *C. Bredenkamp 162* (PRE), Apr 1975, *Viljoen 5* (PRE). Pringle Bay, near Hangklip, 25 Jan 1964, *Tölken 487* (NBG). Robben Island, 19 Nov 1987, *van Jaarsveld & de Lange s.n.* (NBG), 20 Aug 1943, *Walgate 489* (NBG). Rooiels, Rooiels River mouth, near Hangklip, 14 Jul 1981, *Parsons 284* (NBG, PRE). Sedgefield, Buffelsbaai, Walker's Bay, on the coast, 06 May 2006, *Steffen & Mucina 060506/35* (MJG, NBG). Simonstown, ca. 1 miles S of Simonstown, 01 Sep 1962, *Tölken 161* (BOL). Simonstown, S of Schusters Bay, 07 Apr 1963, *Tölken 305* (NBG, PRE). Stanford, De Kelders, Duivelsgat on the coast, 10 Sep 2006, *Mucina 100906/09* (MJG). Stillbaai, date unknown, *Muir 5294* (PRE), Dec 1908, *Muir 166* (PRE). Stillbaai, Groot Jongensfontein, 1980, *Bohnen 3815* (NBG), 04 May 2006, *Steffen & Mucina 040506/01* (MJG, NBG). Stillbaai, Kafir Kuils River [today Goekoe River] mouth, Jun 1924, *Muir 3149* (J). Stillbaai, shore near Masterstock, 27 Sep 1980, *Bohnen 7674* (NBG, PRE). Struisbaai, L'Agulhas, coast near the lighthouse, 17 Feb 2008, *Mucina 170208/01* (NBG). Tsitsikamma, coast, 30 Jan 1982, *Venter 8654* (PRE). Vredenburg, Danger Bay, 06 Nov 1963, *Tölken 428* (NBG). Ysterfontein, 19 Jan 1964, *Tölken 481* (NBG, PRE). Yzerfontein, Skuimsgat, 26 Aug 2000, *Mucina 260800/4* (MJG). **Eastern Cape:** Bird Island,

offshore of Port Elizabeth, Nov 1918, *Schönland s.n.* (BOL). Port Elizabeth, 18 Nov 1929, *Lurie 18181* (J). Port Elizabeth, between Willows and Schoenmakerskop, 01 Feb 1948, *Smith D107* (PRE). Port Elizabeth, Walmer, 30 Jan 1927, *Young 17002* (J). **Uncertain locality:** date unknown, *de Vos 301* (NBG).

Sarcocornia mossambiciensis. MOZAMBIQUE. Mocucuni Island, Inhambane Bay, 26 Nov 1958, *Mogg 29305* (LISC), *Mogg 29306* (LISC, PRE). Ponta Barra Falsa, near Pomene Rio mouth, 21 Nov 1958, *Mogg 28914* (J, LISC).

Sarcocornia mossiana. SOUTH AFRICA. **Western Cape:** Bredasdorp, at road to Swellendam, 13 May 2000, *Mucina 6878/7* (NBG). Bredasdorp, Karsrivier, 18 Mar 2007, *Mucina 180307/18* (MJG), date unknown, *Janssen JJ7050/1* (NBG), 26 Nov 2000, *Janssen & Mucina JJ261100/15* (NBG), 23 Mar 2003, *Walter & Mucina 5078* (NBG, WU). Bredasdorp, Patryskraal on road Oupos–Bredasdorp, 05 Apr 2006, *Steffen & Mucina 050406/13* (MJG, NBG). Bredasdorp, road to Struisbaai, 22 Mar 1966, *Levyms 11537* (BOL). Bredasdorp, Vogelvlei on Struisbaai road, 15 Jan 1931, *Galpin 11345a* (PRE). Bredasdorp, Zeekoeivlei on the Kars River, 06 Mar 1965, *Tölken 515* (PRE). Caledon, rifle range, 12 Sep 2003, *Raimondo CR205* (NBG). Gouritzmond, Voelvlei near Johnson's Post, 11 Sep 2004, *Mucina 110904/3* (MJG, NBG), 04 May 2006, *Steffen & Mucina 040506/30* (NBG). Malgas, De Hoop Nat. Res., at the Potberg Gate, 11 Feb 2005, *Mucina 110205/18* (MJG, NBG), 03 Apr 2006, *Steffen & Mucina 030406/01* (MJG, NBG). Malgas, Potberg, at road between Malgas and Swellendam, 3 Apr 2008, Klipfontein Farm, *Mucina 030408/03* (NBG). Malgas, Potberg, E of road to De Hoop Nat. Res., 25 Mar 1966, *Levyms 11551* (BOL). Napier, valley of Soutrivier at road Caledon–Napier ca. 10 km to Napier, 07 Aug 1998, *Mucina 6564/1* (NBG). Riversdale, Doornkraal, 12 Mar 1924, *Muir 3079* (BOL). Riversdale, Feb 1904, *Marloth 3587* (PRE), Jun 1922, *Muir 15659* (BOL). Riversdale, near bridge over Klein Vette River on road to Garcia Pass, 03 May 2006, *Steffen & Mucina 030506/10* (MJG, NBG). Riversdale, near Dekriet Station, margin of salt pan, 13 Jun 1981, *Bohnen 7893* (NBG). Riviersonderend, 10

miles W of town, 06 Mar 1964, *Tölken 525* (PRE), *Tölken 526* (NBG, PRE), 17 May 1964, *Tölken 552* (BOL, PRE), 17 May 1964, *Tölken 553* (NBG, PRE). Stillbaai, Goekoe Estuary, 04 May 2006, *Steffen & Mucina 040506/25* (MJG, NBG), 22 Mar 2003, *Walter & Mucina 5071* (MJG). Swellendam Distr., roadside rivulet about 1 miles E of the Breede River, 14 Jul 1963, *Tölken 412b* (NBG, PRE). Swellendam, Kleinfontein Farm, at bridge over N2 road, 23 Apr 2006, *Steffen & Mucina 230406/11* (MJG, NBG). Swellendam, Spitskop Farm, 06 Mar 1964, *Tölken 520* (PRE). Swellendam, Uitflugt, 12 Feb 2000, *Mucina 6805/1* (MJG, NBG). Witsand, Breede River mouth, 17 Dec 1969, *Whitehead s.n.* (NBG). Cape Town, saltmarsh between Tygerberg and Milnerton, 17 Feb 1924, *Moss 8874* (J). Hopefield, road between Malmesbury and Hopefield km 36, Holvlei Farm, 08 Mar 2006, *Mucina 080306/02* (MJG, NBG), 27 Mar 2007, *Mucina & Steffen 270307/01* (MJG). Hopefield, valley 8 miles W of Koperfontein, 19 Jan 1964, *Tölken 473* (NBG, PRE). Piketberg, near Vaalskuil and Welbedag, Kruismansrivier, 27 Mar 2007, *Mucina & Steffen, 270307/24* (MJG). Reddelingshuys, Farm Welbedag, bridge over Verlorenvlei River, 27 Mar 2004, *Mucina 270304/1* (MJG, NBG). Velddrif, Berg River estuary near the Carinus Bridge, 28 Mar 2003, *Walter & Mucina 5136, 5137* (WU), 09 Dec 2004, *Mucina 091200/4* (MJG, NBG), 27 Mar 2007, *Mucina & Steffen 270307/05* (MJG, NBG). Velddrif, S bank of Berg River, ca. 3 km W of rail bridge, 15 Oct 1986, *O'Callaghan 1249* (NBG). Little Karoo, Muiskraal, Groot Phesantfontein Farm, at road to Brandrivier, 16 Jun 2001, *Mucina 160601/10* (MJG, NBG), 22 Mar 2003, *Mucina & Walter 220302/02* (NBG), 19 Feb 2006, *Mucina & Jakubowsky 190206/16* (MJG, NBG), 03 May 2006, *Steffen & Mucina 030506/04* (MJG, NBG). Muiskraal, W of Springfontein Farm, 22 Feb 2003, *Walter & Mucina 5067* (WU), 19 Feb 2006, *Mucina & Jakubowsky 190206/18* (MJG, NBG). Barrydale, Lemoenhoek, 7 Apr 2008, *Mucina 070408/01* (MJG, NBG). Klein-Langkloof, on road N9 between Oudtshoorn and Uniondale, 1 km of the turnoff to Ezelsjachtkloof near the Ezelsjach Farm, 21 Mar 2003, *Walter & Mucina 5060, 5061, 5062, 5063* (MJG), *Mucina & Walter 210303/08* (NBG), 04

May 2006, *Steffen & Mucina 040506/31* (MJG, NBG), 6 Apr 2008 *Mucina 060408/13* (MJG, NBG).

Sarcocornia natalensis subsp. *natalensis*. MOZAMBIQUE. Bartholomeus Dias, 04 Sep 1966, *MacNae 39741* (J). Bazaruto Island, date unknown, *Mogg 28733* (PRE). Inhaca Island, Jul 1934, *Moss 27423* (J, PRE), 18 Jul 1935, *Moss 27518* (J), 05 Jan 1950, *Moss 27631* (BOL, J), 29 Jan 1951, *Moss 28244, 28247* (J), 21 Jan 1952, *Moss 27904* (BOL, J), 11 Sep 1964, *Mogg 32044* (J), date unknown, *Moss 28246* (PRE), Jul 1936, *Wolfowitz 43* (J). Inhaca Island, lighthouse, 20 Dec 1957, *Mogg 26939* (J). Inhaca Island, N of Saco Bay, 09 Jul 1957, *Mogg 27145* (J). Inhambane, Jul 1963, *MacNae 37739* (J). Lourenço Marques [Maputo], between L.M. and Matola, 22 Feb 1963, *MacNae 6* (BOL). Lourenço Marques [Maputo], Costa de Sol, 22 Feb 1963, *MacNae 11* (BOL), 22 Feb 1963, *MacNae 36929* (J), 29 May 1973, *Correls & Marques 2874* (NBG). SOUTH AFRICA. **Eastern Cape:** Bashie River mouth, Feb 1961, *MacNae 33177* (J). Boesmansriviermond, Bushmans River estuary, 09 May 2006, *Steffen & Köcke 090606/1* (MJG). Cefane River, W of river, 500 m from the mouth, 11 Jul 1984, *O'Callaghan 1028* (NBG). Cintsa River mouth, 27 Mar 1973, *Strey 11209, 11210* (PRE). East London, entrance of second creek into Buffalo River, Dec 1925, *Ottley 2568, 2570* (J). East London, Nahoon River mouth, 15 Apr 1900, *Galpin 5673* (PRE). East London, tidal banks of Buffalo River, May 1914, *Rattray 1274* (PRE). Great Fish River mouth, 25 Jun 1963, *Tölken 396* (PRE). Gulu River mouth, 09 Mar 1929, *Galpin 9589* (PRE). Hamburg, Keiskamma River estuary, 25 Jun 1963, *Tölken 401* (PRE). Jefferey's Bay, Paradise Beach, S bank of Seekoei River near causeway, 30 Apr 2001, *Mucina 6936/2, 6937/1* (MJG), 19 Mar 2003 *Walter & Mucina 5031* (NBG, WU), *Mucina 040408/02* (NBG). Jefferey's Bay, Ashton Bay, Seekoei River estuary, 07 May 2006, *Steffen & Köcke 070506/17* (MJG, NBG). Jefferey's Bay, Ashton Bay, Seekoei River Nat. Res., 31 Jan 1973, *Montgomery 314* (NBG), 04 Oct 2001, *Mucina 7287/4* (NBG). Jefferey's Bay, flats E of Kabeljous River mouth, 21 Dec 1943, *Fourcade 6341* (BOL). Jefferey's Bay, Gamtoos River mouth, 20 Jun

1963, *Tölken 376* (PRE), 18 Mar 2003 *Walter & Mucina 5017, 5020* (NBG, WU). Jefferey's Bay, Kabeljous River, 20 Jun 1963, *Tölken 370* (PRE). Kenton-on-Sea, Ghio Wetland Reserve, at the entrance to the reserve, 19 Mar 2003, *Walter & Mucina 4984, 4985* (NBG, WU). Mtata River estuary, 30 Aug 1974, *Ward 8714* (PRE). Port Alfred, Kowie River W, 16 Mar 1925, *Britton 5207* (BOL, J). Port Alfred, Kowie River, date unknown, *Britton 5579* (J). Port Elizabeth, Jan 1925, *Young 17041* (J), 20 Mar 1932, *Long 549* (PRE). Port Elizabeth, between Willows and Schoenmakerskop, 01 Feb 1948, *Smith D 108* (PRE). Port Elizabeth, Redhouse, Jan 1924, *Stephens 17528* (BOL). Port Elizabeth, sand flats opposite Amsterdamhoek, 06 Mar 1965, *Dahlstrand 358* (PRE). Port Elizabeth, Swartkops Estuary, 11 Mar 1953, *Archibald 5814* (BOL), 08 May 2006, *Steffen & Köcke 080506/3* (MJG). Port St Johns, Second Beach, 28 Jun 1963, *Tölken 405* (PRE). **KwaZulu-Natal:** Durban, Jul 1918, *Moss 4337* (J). Durban Bay, Dec 1928, *Pillans 6277* (PRE), 19 Jul 1962, *Strey & Huntley 4293* (PRE). Durban Bay, 30 Jan 1966, *Strey 6478* (PRE). Durban, Isipingo Beach, Jul 1935, *Forbes & Obermeyer 32* (PRE), 10 Sep 1947, *Bruce 15* (PRE), 02 Dec 1962, *Strey 4566* (BOL, PRE), 04 Dec 1962, *Ward 4545* (BOL, PRE), 05 Jul 1963, *Tölken 406* (PRE), 23 Feb 1964, *Ward 4870* (PRE), 06 Mar 1964, *Forbes 519* (PRE 29110), date unknown, *Ward 4246* (PRE). Durban, Umgeni Lagoon, 18 Jan 1967, *Strey 7327* (PRE). Eshowe, 31 May 1930, *Vet. Off. s.n.* (PRE). KaNgwanase, Kosi Estuary, 14 Dec 1958, *Tinley & Ward 3* (PRE), 10 May 1965, *Vahrmeijer & Tölken 920* (PRE), 26 Oct 1971, *Moll & Nel 5602* (PRE), 09 Dec 1972, *Ward 8201* (PRE). La Lucia, 6 miles N of Durban, near mangroves, 20 Jan 1969, *Thom 8* (PRE). Langelier Park, Uhlankankulu River, 19 Feb 1975, *Ward 8772* (PRE). Mfolozi River estuary, 07 Nov 1972, *Ward 8089* (PRE), 23 Mar 1974, *Ward 8599* (PRE). Mkuze River swaps, N of St Lucia, date unknown, *Ward 5092* (PRE). Mzingazi River, N of Richards Bay, 23 Feb 1982, *Reid 541* (PRE). Richards Bay, 04 Nov 1968, *Venter 5122, 5123* (PRE). Richards Bay, harbour W, 23 Feb 1993, *Ward 12213* (PRE). Richards Bay, Harbour, 08 Feb 2007, *Naidoo 080207/01* (MJG). St Lucia, 20 Sep 1962, *Ward 4355* (PRE), 20 Oct 1962,

Ward 4375 (BOL, PRE). St Lucia, Bird Island, 19 Dec 1972, *Hitchins 941* (PRE). St Lucia, Charters Creek, 15 Feb 1973, *Musil 166* (PRE). St Lucia, Eastern Shores, upper Nibela, 12 Jan 1974, *Ward 8547* (PRE). St Lucia, False Bay, 18 Jul 1962, *Ward 4216* (PRE), 28 Jan 1967, *Strey 7346* (PRE), date unknown, *Ward 9155* (PRE). St Lucia, False Bay, S of park office, 08 Jul 2001, *Mucina 080701/3* (MJG, NBG). St Lucia, False Bay, E side of Nyalazi River mouth, 08 Nov 1972, *Ward 8093* (PRE). St Lucia, Mbizatsheni area, date unknown, *Ward 6095* (PRE). St Lucia, Mkuze River mouth, 10 Jun 1959, *Ward 3266* (PRE), 04 Oct 1970, *Ward 6978* (PRE). Mtunzini, Umlalazi River estuary, 15 Jul 1961, *MacNae s.n.* (PRE), 22 Nov 1963, *Venter 1381* (PRE). Umlazi, Umgaba River, 06 Jun 1963, *Tölken 407* (PRE).

Western Cape: Bredasdorp, 4 miles past Vogelvlei, 05 Mar 1964, *Tölken 508* (NBG, PRE). Bredasdorp, between Struisbaai and Bredasdorp, 04 Apr 1931, *Levy's 3537* (BOL). Bredasdorp, Zeekoeivlei on the Kars River, 06 Mar 1964, *Tölken 512* (NBG, PRE). Cape of Good Hope Nat. Res., Klein Rondevlei, 26 Jan 1970, *Taylor 7633* (NBG, PRE). Cape Town, Isoetes Vlei, 03 Apr 1963, *Tölken 303* (PRE), 13 Jan 1969, *Barker 10604* (NBG), 09 Mar 1970, *Rowe 8* (NBG), *Gubb 77* (NBG). Cape Town, between Diep M. and False Bay, 30 Mar 1918, *Pillans 3142* (J). Cape Town, between Princess and Zeekoei Vlei, 29 Mar 1918, *Pillans 3230* (BOL). Cape Town, Black River at Raapenburg, above bridge, 16 Apr 1918, *Pillans 3233* (BOL). Cape Town, Faure, 12 Mar 2001, *Mucina 120300/1, 120300/2* (NBG). Cape Town, Fish Hoek, 14 Feb 1918, *Moss 3145* (J), Feb 1918, *Moss 14243* (BOL; type of *Arthrocnemum africanum*). Cape Town, Fish Hoek, E of the railway, 18 Feb 1918, *Pillans 3221* (BOL). Cape Town, Groote Ronde Vlei, 22 May 1944, *Compton 15699* (NBG). Cape Town, Kommetjie Vlei, Jan 1928, *Barnard 44148* (BOL), 13 Oct 1980, *Davies 18* (NBG). Cape Town, muddy flats near Salt River, Nov 1927, *Garabedian 44425* (NBG). Cape Town, Muizenberg Bay, 11 Mar 1896, *Wolley Dod 976* (BOL). Cape Town, Muizenberg, side of vlei, Feb 1922, *Michell s.n.* (BOL). Cape Town, N of Melkbos, 03 Mar 1970, *Axelson 151* (NBG). Cape Town, Nordhoek, salt pan, 27 Jan 1971, *Waher 38, 39* (BOL). Cape Town,

small vlei near Noordhoek, 14 Apr 1963, *Tölken 309* (NBG, PRE). Cape Town, Paardeneiland, Klein Zoar Vlei near the Brooklyn Chest Hospital, 02 Mar 1980, *Linder 2213* (BOL). Cape Town, Raapenburg, date unknown, *Duthie 1312* (BOL). Cape Town, Rugby, Feb 1928, *Levyyns s.n.* (BOL), 04 Sep 1962, *Tölken 163* (BOL), 28 May 1963, *Tölken 321, 327, 328* (PRE), 16 Jun 1963, *Tölken 347, 348* (PRE), 24 Apr 1964, *Tölken 545* (PRE). Cape Town, Salt River mouth, 14 Feb 1918, *Pillans 3227* (BOL). Cape Town, Wynberg, Cafda, roadside Prince George Drive, 07 Apr 1963, *Tölken 307* (NBG, PRE). Cape Town, Wynberg, Seekoeivlei, small pools next to main entrance, 07 Apr 1963, *Tölken 306* (PRE). Cape Town, Zeekoei Vlei, Jun 1930, *Moss 18920* (J), 15 Aug 1946, *Walgate 679* (BOL), 16 Apr 1949, *Wilman 221* (BOL). Elim, 1 mile E of Elim, 05 Mar 1964, *Tölken 505* (PRE). Elim, Langpan between Elim and Bredasdorp, 14 Mar 1977, *Hugo 822* (NBG, PRE). Elim at road between farms Toekomst and Helderfontein, 11 Dec 2000, *Janssen JJ7030/4* (NBG). Elim, between Voelvlei and Farm Voorhoede, 11 Dec 2000, *Janssen JJ7036/X* (NBG). Fisherhaven, Botrivier mouth, 25 Jan 1964, *Tölken 488* (PRE). Fisherhaven, near jetty at the Botrivier Lagoon, 05 Apr 2006, *Steffen & Mucina 050406/02* (MJG, NBG). Fisherhaven, Sundown Bay near the mouth of the Botrivier Lagoon, 31 Dec 2006, *Mucina 311206/R2_1* (NBG), *Mucina 311206/R3_2* (MJG). Franskraal, Uilenkraals River, roadside below Franskraal, 05 Mar 1964, *Tölken 501* (PRE). Franskraal, Uilenkraals River, 31 Dec 1999, *Mucina 6797/5* (NBG). Franskraal, Uilenkraals River estuary, near camping site, 26 Nov 2000, *Janssen & Mucina 6952/4* (NBG). George, 1.5 km from mouth of Gwaing River, 25 May 1984, *O'Callaghan, van Wyk & Fellingham 190* (PRE). Gouritzmond, Gouriqua, near lighthouse at Ystervakpunt, 03 Apr 2000, *Mucina 6816/7, 6817/3* (NBG), 02 May 2005 *Mucina 020400B/3* (NBG). Gouritzmond, Gouritz River mouth, 17 Jun 1963, *Tölken 350* (NBG, PRE). Graafwater, Lange Vlei, 05 Jun 1963, *Tölken 336, 337* (PRE). Hermanus, Grotto Beach, Kleinrivier Lagoon, 21 Jan 1997, *Mucina 6279/3* (PRE). Hermanus, island in Hermanus Lagoon, 05 Mar 1964, *Tölken 498* (PRE). Hermanus, Kleinrivier Lagoon, Bird Hide, 23 Apr 2006, *Steffen &*

Mucina 230406/19 (MJG, NBG). Hermanus, Kleinrivier Lagoon, Prawn Flats, at the jetty, 23 Apr 2006, *Steffen & Mucina* 230406/12 (MJG, NBG). Hermanus, Mossel River, Sep 1921, *Guthrie* 17000 (BOL). Hermanus, Vermont, Soutpan, 10 Mar 2001, *Mucina* 6915/1 (NBG). Hermanus, Voëklip, Die Mond, 29 Apr 1982, *Williams* 803 (PRE). Hermanus, Walker Bay, Grotto Beach opposite of Piet-se-Bos, 10 Mar 2001, *Mucina* 6913/2, 6914/3 (NBG). Hopefield, 2 miles E of Hopefield, 06 Nov 1963, *Tölken* 417 (NBG, PRE). Hopefield, Farm Geelkuil on Malmesbury–Hopefield, 19 Apr 2006, *Steffen & Köcke* 190406/03 (NBG), 190406/04 (MJG, NBG). Kalbaskraal (S of Malmesbury), Kalbas Kraal Outspan, near bridge of N7 over Zoutrivier, 20 Feb 2000, *Mucina* 260200/1-5 (MJG). Kleinmond, on N banks of the vlei, 24 Jan 1950, *de Vos* 1551 (NBG, PRE). Knysna, Feb 1921, *Breyer* 22232 (PRE), *Duthie s.n.* (BOL). Knysna, about 7 miles from mouth of Knysna River, Feb 1924, *Duthie* 18838 (BOL). Knysna, Brenton, Jan 1924, *Duthie* 996 (NBG). Knysna, Knysna River mouth, Woodbourne, Jan 1924, *Duthie* 883 (BOL, J, NBG). Malgas, De Hoop, 10 Apr 1957, *Barker* 8729 (NBG). Malgas, De Hoopvlei, 06 Mar 1964, *Tölken* 516 (NBG, PRE). Malgas, De Hoop Vlei, date unknown, *van der Merwe* 2317 (PRE). Malgas, De Hoop Provincial Farm, 10 Apr 1957, *Lewis* 5180 (NBG). Malgas, De Hoop, mud flats near lake, 11 Apr 1957, *Levyns* 10710 (BOL). Malgas, near Ouplaas at turnoff to De Hoop Nat. Res., 11 Feb 2005, *Mucina* 110205/14 (MJG, NBG). Malgas, S bank of the De Hoopvlei, Die Mond, 04 Apr 2006, *Steffen & Mucina* 040406/03, 040406/04 (MJG, NBG), *Steffen & Mucina* LM7544/01 (MJG), *Steffen & Mucina* 040406/09 (MJG, NBG). Malgas, W bank of the De Hoopvlei, Die Mond, 29 Jan 2000, *Mucina* 290100/2, 290100/5 (NBG). Malmesbury, Klipheuwel, S of road crossing, 26 Feb 2000, *Mucina* 6808/1 (MJG, NBG), 19 Apr 2006, *Steffen & Köcke* 190406/01 (NBG). Mosselbaai, Groot-Brakrivier mouth, 12 Feb 1920, *Moss* 4342 (J). Mosselbaai, Groot-Brakrivier mouth, near camping site, 03 Jun 1963, *Tölken* 360 (PRE). Pearly Beach, Klein Hagelkraal, 10 Mar 1979, *Thompson* 3899 (NBG, PRE). Pearly Beach, Ratelrivier Vlei, 2 km from De Dam/Gansbaai turnoff to Bredasdorp, 03 Dec 1984,

Germishuizen 4148 (PRE). Pearly Beach, W of Quoin Point, 27 Mar 1966, *Levyns 11562* (BOL). Plettenberg Bay, Bitou River estuary, date unknown, *Ellis s.n.* (PRE). Plettenberg Bay, Bitou River, near bridge, Feb 1922, *Fourcade 1997a* (BOL). Plettenberg Bay, Keurboomrivier, Nov 1925, *Mogg s.n.* (PRE), 10 Jul 1963, *Tölken 409* (PRE). Riversdale, May 1930, *Muir 4645* (J). Riviersonderend, 10 miles W of town, 06 Mar 1964, *Tölken 530* (PRE). Stellenbosch, 1 mile W of Kuilsrivier, 04 Feb 1963, *Tölken 300* (NBG). Stillbaai, Sep 1960, *Horn s.n.* (PRE), 17 Jun 1963, *Tölken 355* (NBG, PRE). Strand, 23 May 1952, *Parker 4732* (BOL, NBG). Struisbaai, Vogelzang Farm, 04 Apr 2006, *Steffen & Mucina 040406/20* (MJG). Struisbaai, Vogelzang Farm, N of Heuningnes River estuary, 17 Mar 2007, *Mucina 170307/09* (MJG). Struisbaai, W of Zoetendalsvlei, on road (km 59.9) to Elim, 05 Apr 2006, *Steffen & Mucina 050406/22* (MJG, NBG). Struisbaai, Zoetendals Vlei, 25 Mar 1982, *van Wyk 913* (NBG). Swellendam, Farm Spitskop, date unknown, *Tölken 519* (PRE). Tsitsikamma, Nature's Valley, Groot River estuary, 20 Mar 2003, *Mucina 7408/1* (NBG). Vermaaklikheid S of Heidelberg, Vermaaklikheid Vlei, 1918, *Bohnen 5874* (NBG). Wilderness, Jan 1924, *Stephens 18839* (BOL). Wilderness, Bo-Langevlei Lake near Rondevlei station, W of bird hide, 05 Jun 2006, *Mucina 050506/14* (MJG). Wilderness, Groenvlei, 06 May 1951, *Martin 4497, 4498, 4499* (PRE). Wilderness, Langevlei, May 1951, *Martin 4446* (PRE). Wilderness, Swartvlei, sandy shore above railway bridge, near Cloverdale, date unknown, *Guillarmod, Saenger & Shaw 7087* (PRE). Wilderness, Swartvlei, Willowpoint side, 27 Apr 1952, *Martin 4521* (PRE). Worcester, Over Hex Station, growing next to stream, 09 Feb 1964, *Tölken 491* (NBG, PRE). **Geographic position (within South Africa) uncertain:** Koksrivier, near river, 12 Mar 1979, *Hugo 1625* (NBG, PRE). Sand Vlei, lake side, 18 Feb 1918, *Moss 3143* (J).

Sarcocornia natalensis subsp. *affinis*. ANGOLA. Moçamedes Province, Iona National Park, Foz de Kunene, date unknown, *Ward & Ward 25* (PRE).

NAMIBIA. Namib Desert coast, Spencer Bay, Nordhuk, 12 Jan 1974, *Giess & Robinson 13178* (PRE). Namib Desert coast, Spencer Bay, Satielhügel N, 16 Jan 1974, *Giess & Robinson 13218* (PRE). Skeleton Coast, 5 miles N of Torra Bay, 16 Apr 1964, *Nordenstam 3774* (NBG). Skeleton Coast, 8.5 miles N of Terra Bay, 03 Apr 1963, *Hardy & de Winter 1483* (BOL). Swakopmund, 28 Mar 1913, *Dinter 71408* (NBG), Dec 1924, *Rogers 18341* (BOL), 01 Sep 1927, *Compton 18841* (BOL), Jun 1930, *Moss 18122* (J), date unknown, *Range 97* (NBG). Swakopmund, 11 miles N of Swakopmund on road to Cape Cross, 27 Mar 1963, *Hardy & de Winter 1454* (BOL). Swakopmund, drift over Swakop River E of town, 27 Aug 1998, *Mucina 980827/1* (MJG). Swakopmund, pools in lower terrace of Swakop Rivier beside road to Windhoek, 25 Aug 2006, *Freitag 34.105* (MJG). Swakopmund, roadside salt marsh between Walfish Bay and Swakopmund, 15 Apr 1962, *Tölken 150* (BOL).

SOUTH AFRICA. **Northern Cape:** Alexander Bay, S side of lagoon at Orange River mouth, Oct 1926, *Pillans 5577* (BOL). Alexander Bay, edge of lagoon at the Northern Settlement, 28 Apr 2007, *Mucina 280407/08* (NBG). Garies, Groenrivier mouth, upper part of lagoon, 27 Apr 2007, *Mucina 270407/09* (MJG). Garies, Walle Kraal, Spoeg Rivier, Oct 1924, *Pillans 18218* (BOL, NBG), *Pillans 18219* (BOL). Port Nolloth, McDougall Bay, Kreefstraat, 29 Apr 2007, *Mucina 290407/01* (MJG). Port Nolloth, McDougall Bay, 19 Sep 2001, *Mucina & Santos Guerra 7240/2* (MJG, NBG). **Western Cape:** Darling, Tienie Versveld Flower Reserve, 10 Sep 2003, *Mucina 100903/3* (NBG), 14 Apr 2006, *Steffen & Mucina 140406/02* (MJG). Elandsbaai, 19 Mar 1964, *Tölken 541* (PRE). Elandsbaai, Danielsdrif, near the road bridge over Verlorenvlei, 26 Mar 2006, *Steffen & Mucina 260306/08, 260306/09* (MJG, NBG). Elandsbaai, Die Mond, 27 Mar 2004, *Mucina 7516/1* (NBG). Elandsbaai, Wadrifoutpan, 26 Mar 2006, *Steffen & Mucina 260306/08* (MJG, NBG). Hopefield, 8 miles W of Koperfontein, 19 Jan 1964, *Tölken 475b* (PRE). Hopefield, along river banks, 06 Nov 1963, *Tölken 418* (PRE). Lambert's Bay, ca. 2–3 miles S of Lambert's Bay, 07 Apr 1962, *Tölken 144* (BOL). Lambert's Bay, Jakkalsrivier mouth, date unknown, *Pole Evans 27* (PRE),

30 Aug 1998, *Mucina 6615/1* (NBG), 30 Mar 2003, *Walter & Mucina 5189a, 5189b* (NBG, WU). Lambert's Bay, Jakkalsrivier, 06 Jun 1963, *Tölken 341* (NBG, PRE), 07 Apr 1962, *Tölken 140* (BOL). Lambert's Bay, S of town, 07 Apr 1962, *Tölken 142* (BOL). Lambert's Bay, Suurfontein, opposite of entrance to Skaapdam, 26 Mar 2006, *Steffen & Mucina 260306/04* (MJG, NBG). Lambert's Bay, Jakkasrivier mouth, Bird Hide, 30 Mar 2003, *Walter & Mucina 5188, 5190* (NBG, WU), 26 Mar 2006, *Steffen & Mucina 260306/06* (NBG). Langebaan, Langebaan Lagoon, E of Seeberg Bird Hide, 14 Apr 2006, *Steffen & Mucina 140406/04* (MJG, NBG). Leipoldtville, SE of Leipoldtville, 05 Jun 1963, *Tölken 331* (NBG, PRE). Papendorp, Olifants River mouth, 16 Aug 1978, *le Roux & Ramsey 66* (NBG). Piketberg, Sauer near turnoff to Uitflug, 12 Sep 2003, *Mucina 120903/01* (MJG, NBG). Piketberg, road from Velddrif to Piketberg, Boesmanskraal at turnoff to Aurora, 19 Apr 2006, *Steffen & Köcke 190406/21* (MJG, NBG). Vanrhynsdorp, Salt River 18 miles N of Vanrhynsdorp, 22 Jan 1930, *Moss 18117* (J). Vanrhynsdorp, Salt River, 22 miles N of Vanrhynsdorp, 19 Mar 1964, *Tölken 537* (NBG). Vanrhynsdorp, Salt River, below the double bridge, 30 Apr 2007, *Mucina 300407/04* (MJG). Velddrif, between Dwarskersbos and Rocher Pan, 09 Dec 2000, *Mucina 091200/03* (NBG). Velddrif, La Rochelle, at road between Dwarskersbos and Rocher Pan, 09 Dec 2000, *Mucina 091200/6-2* (MJG). Velddrif, Rocher Pan Nat. Res., 20 Mar 1978, *Heyl 24* (NBG, PRE). Velddrif, Rocher Pan Nat. Res., island between house and inspection quarters, 20 Jan 1981, *van Rooyen & Ramsey 2* (NBG). Velddrif, Rocher Pan, E shore at the last picnic site, 29 Aug 1994, *Glen 664* (PRE). Vredenburg, 10 miles W of St Helena Bay, 06 Nov 1963, *Tölken 434* (PRE). Yzerfontein, 1 km E of town on road to Darling, 09 Dec 2000, *Mucina 091200/8* (NBG). Yzerfontein, 1 km E of town on road to N7, 28 Mar 2003, *Walter & Mucina 5129, 5130, 5131a, 5131b, 5132a, 5132b* (NBG, WU). Yzerfontein, E of Salt Pan, 14 Apr 2006, *Steffen & Mucina 140406/29* (MJG, NBG). Yzerfontein, Salt Pan, N end, 13 Jan 1964, *Tölken 484a* (NBG). Yzerfontein, close to Darling, 09 Dec 2000, *Mucina 091200/10-2* (MJG). **Identity not clear** (these

collections possess transitional combination of traits between subsp. *natalensis* and subsp. *affinis*): **Western Cape.** Cape Town, Milnerton, Rietvlei Nat. Res., at bird hide, 20 Apr 2006, *Steffen & Köcke 200406/11* (MJG, NBG). Cape Town, Milnerton, Rietvlei Nat. Res., close to parking area, 20 Apr 2006, *Steffen & Köcke 200406/06* (MJG, NBG). Cape Town, Paardeneiland, 20 Apr 1962, *Tölken 147a* (BOL). Cape Town, Raapenburg Vlei, 31 Jan 1891, *Wolley Dod 2398* (BOL). Cape Town, Swarttrivier, 01 Feb 1877, *Bolus 3708* (BOL). Cape Town, Uitflugt, 05 Jun 1897, *Wolley Dod 2691* (BOL). Cape Town, Wynberg, SE of Ottery Estates, 05 May 1963, *Tölken 322* (PRE). Cape Town, Wynberg, Wetton Station, 27 Apr 1963, *Tölken 317* (PRE).

***Sarcocornia pillansii*.** NAMIBIA. **Orange River eco-morphotype:** Oranjemund, N bank of Orange River, ca. 500 m from coast, 11 Sep 1984, *O'Callaghan, van Wyk & Morley 14, 17* (NBG). Oranjemund, Pink Pan, N side, 24 Jun 1993, *Ward 12288* (PRE).

SOUTH AFRICA. Eastern Cape: Typical eco-morphotype: Addo, Soutkloof S of town, 08 May 2006, *Steffen & Köcke 080506/1* (MJG, NBG), 28 Apr 2001, *Mucina 6926/1* (MJG), 05 Apr 2008, *Mucina 050408/01* (NBG). Addo Bush, Jul 1933, *Cohen 34938* (J).

Boesmansriviermond, Bushmans River estuary, below the road bridge, 09 May 2006, *Steffen & Köcke 090506/9* (MJG, NBG). Boesmansriviermond, Bushmans River mouth, 29 Jan 1953, *Archibald 5010* (BOL, J). Hamburg, Keiskama River, 25 Jun 1963, *Tölken 400* (PRE).

Jefferey's Bay, Gamtoos River mouth, 20 Jun 1963, *Tölken 375* (NBG, PRE). Kenton-on-Sea, Ghio Bridge over Bushmans River, 25 Jan 2007, *Mucina 250107/03* (NBG). Kenton-on-Sea, Ghio Wetland Nat. Res., near bird hide, 01 Oct 2001, *Mucina 7282/3* (NBG). Kenton-on-Sea, Ghio Wetland Nat. Res., at the entrance to the reserve, 17 Mar 2003, *Walter & Mucina 4988, 4989, 4990, 4994, 4995* (WU). Kenton-on-Sea, Ghio Wetland, at bridge over Bushmans River, 09 May 2006, *Steffen & Köcke 090506/21* (NBG). Kenton-on-Sea, Kariega River estuary, 09 May 2006, *Steffen & Köcke 090506/14* (NBG). Kenton-on-Sea, Kariega River bridge, date unknown, *Tölken 387* (NBG, PRE). Kenton-on-Sea, Kasouga beach, 18 Dec

1996, *Mucina* 6239/2 (NBG). Kenton-on-Sea, N of bridge over Kariega River, 01 May 2001, *Mucina* 6940/1 (NBG). Port Alfred, date unknown, *Britton* 2096 (J). Port Alfred, Kowie River estuary, 09 May 2006, *Steffen & Köcke* 090506/20 (MJG, NBG). Port Elizabeth, Coega Salt Works, 18 Mar 2003, *Walter & Mucina* 5004 (WU). Port Elizabeth, Congella, 14 Apr 1964, *MacNae* 38130 (J). Port Elizabeth, Redhouse, Jan 1924, *Stephens* 18840 (BOL), Feb 1924, *Stephens* 10016 (J). Port Elizabeth, Redhouse, river bank, 19 Jan 1953, *Adamson* 4894, 4895 (PRE). Port Elizabeth, sand flats opposite Amsterdam Hoek, 23 Jan 1973, *Dahlstrand* 2997 (J, NBG, PRE). Port Elizabeth, Swartkops River estuary, 30 Jan 1963, *Troughton* 123 (PRE). Port Elizabeth, Swartkops River estuary, 1 km W of bridge over Swartkops River, 18 Mar 2003, *Walter & Mucina* 5009 (WU). Port Elizabeth, Swartkops River estuary, on right bank, close to Blue Pool, date unknown, *MacNae s.n.* (PRE 52354). Port Elizabeth, Swartkops River bank, at Perseverance, 09 Sep 1947, *Rodin* 1212 (BOL, PRE). Port Elizabeth, Swartkops River mouth, 30 Jan 1963, *Troughton* 36913 (J). Port Elizabeth, Swartkops River, 11 Feb 1977, *Olivier* 1762 (PRE). St Francis Bay, at the bridge over Kromme River, 27 Oct 2001, *Mucina* 7297/4 (NBG), 19 Mar 2003, *Walter & Mucina* 5022 (WU), 07 May 2006, *Steffen & Köcke* 070506/22 (MJG), 06 Apr 2008, *Mucina* 060408/03 (NBG). **KwaZulu-Natal: Typical eco-morphotype:** Mtunzini, Umlalazi River estuary, 15 Jul 1961, *MacNae s.n.* (PRE 52380). **Northern Cape: Orange River eco-morphotype:** Alexander Bay, edge of lagoon at the Northern Settlement, 28 Apr 2007, *Mucina* 280407/06, *Mucina* 280407/07 (NBG). Alexander Bay, Orange River mouth, Oct 1926, *Pillans* 5585 (BOL), 14 Oct 1980, *le Roux & Parsons* 1 (NBG, PRE), 21 Jan 1989, *Williamson* 4052 (NBG). Alexander Bay, S bank of Orange River, small lagoon off main river, 12 Sep 1984, *O'Callaghan, van Wyk & Morley* 45 (NBG, PRE). Alexander Bay, S of Orange River behind dunes, 12 Sep 1984, *O'Callaghan, van Wyk, Morley* 46 (NBG, PRE). Alexander Bay, S of Orange River, 12 Sep 1984, *O'Callaghan, van Wyk & Morley* 46 (NBG, PRE). Alexander Bay, S of Orange River, 5 km from coast below sewerage ponds, towards upper salt marsh, 12

Sep 1984, *O'Callaghan, van Wyk & Morley* 57 (NBG, PRE). Alexander Bay, S of Orange River, ca. 1 km from coast, 12 Sep 1984, *O'Callaghan, van Wyk & Morley* 47, 48, 49 (PRE). Port Nolloth, Holgat River mouth, 14 Oct 1980, *le Roux & Parsons* 9 (NBG, PRE).

Namaqualand eco-morphotype: Garies, Groenrivier mouth, 13 Sep 1978, *le Roux & Ramsey* 325 (NBG, PRE). Garies, Groenrivier mouth, upper part of lagoon, 27 Apr 2007, *Mucina* 270407/08 (MJG). Garies, Groenrivier, near Farm Bowater, 27 Apr 2007, *Mucina* 270407/05, 270407/06 (MJG). Garies, near Farm Kameelboom on road to Hondeklipbaai, 27 Apr 2007, *Mucina* 270407/11 (MJG). Garies, Ouplaas on road to Hondeklipbaai, Spoegrivier, 04 Sep 2006, *Mucina* 040906/03 (MJG). Garies, Ouplaas on road to Hondeklipbaai, Spoegrivier, E of Wallekraal, 04 Sep 2006, *Mucina* 040906/50 (NBG). Garies, upper Groenrivier, near Farm Dikdoring S of town, km 16, 27 Apr 2007, *Mucina* 270407/04 (NBG). Garies, Walle Kraal, 29 Oct 1924, *Pillans s.n.* (BOL 18220, NBG, PRE). Kleinzee, Buffels River mouth, date unknown, *le Roux & Parsons* 25 (PRE). Koingnaas, at bridge over Swartlintjies River, 28 Apr 2007, *Mucina* 280407/02 (MJG). Koingnaas, lower Swartlintjies River, at Farm Riethuis, 27 Apr 2007, *Mucina* 280407/01 (MJG). Koingnaas, Swartlintjies River mouth, 16 Oct 1980, *le Roux & Parsons* 37 (NBG, PRE). Koingnaas, Zwart Lintjes River, Oct 1924, *Pillans* 18215a (NBG). Papendorp, Olifants River estuary, 03 Feb 2008, *Mucina* 030208/05 (MJG).

Soebatsfontein, Farm Oubees 339, 9.3 km W of Springbok–Soebatsfontein road, on turn-off to Oubees, 16 Oct 1986, *le Roux & Lloyd* 702 (NBG). Springbok, 1.5 miles N of Ookiep, in a depression near railway station, Aug 1929, *Pillans* 6247 (BOL). **Western Cape:**

Namaqualand eco-morphotype: Bitterfontein, near Farm Brakputs on N7, 30 Apr 2007, *Mucina* 300407/01 (MJG). Papendorp, Olifants Estuary, 11 Nov 1982, *O'Callaghan* 359/343, 363 (NBG), 03 Jan 2001, *Janssen JJ7081/1* (NBG), 25 Sep 2001, *Mucina & Santos Guerra* 7263A/3 (MJG, NBG), 25 Mar 2006, *Steffen & Mucina* 250306/02B (MJG), *Steffen & Mucina* 250306/02C (MJG, NBG). ***Typical eco-morphotype:*** Cape Town, between Milnerton and Tygerberg, 03 Feb 1924, *Moss* 8764 (PRE), 17 Feb 1924, *Moss* 8874b (J). Cape Town,

Milnerton, 24 Feb 1924, *Moss 9790* (J). Cape Town, Milnerton, Rietvlei Nat. Res., 26 Mar 2003, *Walter & Mucina 5114, 5115, 5117, 5118, 5119, 5120, 5121* (WU). Cape Town, Milnerton, Rietvlei Nat. Res., close to parking area, 20 Apr 2006, *Steffen & Köcke 200406/05, 200406/08, 200406/09* (MJG, NBG). Cape Town, Paarden Eiland, Klein Zoar Vlei near the Brooklyn Chest Hospital, 02 Mar 1980, *Linder 2214* (BOL). Cape Town, Rugby, 30 Apr 1963, *Tölken 318* (NBG, PRE), 24 Apr 1964, *Tölken 543* (PRE), 24 Apr 1964, *Tölken 544* (NBG, PRE). Cape Town, Tygerberg, 27 Feb 1924, *Adamson s.n.* (BOL). Darling, Groenfontein Farm, Groenrivier, 20 Jul 1978, *Boucher 3877* (NBG). Darling, Schrywers Hoek, 25 Apr 1949, *Walgate 1065* (BOL). Elandsbaai, river mouth, 19 Mar 1964, *Tölken 540* (PRE). Franskraal, Uilenkraal, 06 Mar 1964, *Tölken 532* (PRE). Gansbaai, De Kelders, E of town, in the vicinity of the chimney to a coastal cave, 12 May 1990, *Fellingham 1465* (NBG). Gouritzmond, Gouriqua, Rein's Coastal Nat. Res., near lighthouse at Ystervakpunt, 03 Apr 2000, *Mucina 6818/3* (NBG). Gouritzmond, Gouritz River mouth, 17 Jun 1963, *Tölken 351* (PRE), 25 May 1984, *O'Callaghan, Fellingham, van Wyk 347* (NBG). Gouritzmond, Gouritz River mouth, SW side of the mouth, Mar 1999, *Oliver 11103* (NBG). Hartenbos, Hartenbos River mouth, 16 Jun 1963, *Parsons 347* (NBG). Hartenbos, near the bridge over river, 04 May 2006, *Steffen & Mucina 040506/22* (MJG, NBG). Hermanus, Kleinrivier Lagoon, Prawn Flats, at the jetty, 23 Apr 2006, *Steffen & Mucina 230406/14* (NBG). Hopefield, 8 miles W of Koperfontein, 19 Jan 1964, *Tölken 474a* (NBG, PRE). Hopefield, along river banks, 06 Nov 1963, *Tölken 419* (NBG, PRE). Hopefield, Holvlei Farm, at the road R45, 27 Mar 2007, *Mucina & Steffen 270307/02* (NBG). Hopefield, in front of the Farm Geelkuil at road from Malmesbury to Hopefield, 19 Apr 2006, *Steffen & Köcke 190406/05, 190406/06* (MJG, NBG). Hopefield, road between Malmesbury and Hopefield km 36, Holvlei Farm, 08 Mar 2006, *Mucina 080306/01* (NBG). Kalbaskraal, Kalbas Kraal Outspan, near bridge of N7 over Zoutrivier, 26 Feb 2000, *Mucina 260200/1-1* (MJG, NBG). Knysna, 09 Feb 1924, *Duthie 8772* (J), 25 Feb 1924, *Duthie 10015* (J), Feb 1924, *Duthie 885b* (BOL, NBG). Knysna,

Knysna Lagoon, near the old bridge, 14 Jul 1963, *Tölken 412* (PRE). Knysna, Knysna Lagoon, George Rex Drive, 05 May 2006, *Steffen 050506/15* (MJG, NBG), 3 Apr 2008, *Mucina 030408/05* (NBG). Knysna, near Knysna River bridge, 04 Feb 1924, *Duthie 894* (BOL, NBG), 20 Feb 1924, *Duthie 910* (NBG). Knysna, near old bridge across Knysna River, about 7 miles from the river mouth, Feb 1924, *Duthie 885a* (BOL, NBG). Knysna, Knysna River, 19 Sep 1879, *Galpin 4428* (PRE). Lambert's Bay, ca. 2–3 miles S of Lambert's Bay, 07 Apr 1962, *Tölken 143* (BOL). Lambert's Bay, S of Lamberts Bay, 07 Apr 1962, *Tölken 141* (BOL). Lambert's Bay, Jakkals River mouth, Bird Hide, 06 Jun 1963, *Tölken 342* (PRE), 30 Mar 2003, *Walter & Mucina 5186* (WU), 30 Mar 2003, *Mucina 7489/1* (NBG). Lambert's Bay, Sandveld Organic Farm on road between Graafwater and Lambert's Bay, 30 Mar 2003, *Walter & Mucina 5178, 5179* (WU). Lambert's Bay, Suurfontein, opposite of entrance to Skaapdam, 26 Mar 2006, *Steffen & Mucina 260306/03, 260306/05* (MJG, NBG). Lambert's Bay, Suurfontein, opposite of entrance to Skaapdam; Sandveld Organic Farm, 30 Mar 2003, *Mucina 7475/1* (NBG). Langebaan, 19 Jan 1964, *Tölken 478* (NBG, PRE). Langebaan, Langebaan Lagoon, 24 Nov 1975, *Boucher 2920* (PRE, NBG). Langebaan, Langebaan Lagoon, E bank, 1 km N of Oostewal, 15 Oct 1986, *O'Callaghan 1264* (NBG). Langebaan, S end of Langebaan Lagoon, near Geelbek, 15 Oct 1986, *O'Callaghan 1269* (NBG). Langebaan, West Coast National Park, E of Seeberg Bird Hide, 14 Apr 2006, *Steffen & Mucina 140406/05* (MJG, NBG), *Steffen & Mucina 140406/10* (MJG). Langebaan, West Coast National Park, Seeberg Bird Hide, 09 Mar 2006, *Mucina 090306/03* (NBG). Leipoldtville, along stream, 2–3 miles SE of Leipoldtville, 05 Jun 1963, *Tölken 332* (PRE). Malgas, De Hoop-Potberg Nat. Res., Windhoek, along side of De Hoopvlei, 18 Jan 1979, *Burgers 1706* (PRE). Mosselbaai, Great Brak River mouth, Feb 1926, *Bolus 18835* (BOL). Mosselbaai, Great Brak River, near camping site, 18 Jun 1963, *Tölken 359* (PRE). Mosselbaai, Groot-Brakrivier, N of N7 bridge over the river, 02 Dec 2004, *Mucina 021204/04* (MJG, NBG). Papendorp, Olifants River estuary, 25 Mar 2006, *Steffen & Mucina 250306/01* (MJG), *Steffen*

& *Mucina 250306/02A* (MJG, NBG), 03 Feb 2008, *Mucina 030208/03* (NBG). Plettenberg Bay, Bitou River estuary, upstream from bridge over national road, date unknown, *Ellis s.n.* (PRE). Plettenberg Bay, Bitou River, 19 Jun 1963, *Tölken 367* (PRE). Plettenberg Bay, Keurbooms River Mouth, edge of estuary, 21 Jan 1949, *Walgate s.n.* (BOL 47942). Riviersonderend, 10 miles W of Riviersonderend, 06 Mar 1964, *Tölken 529* (NBG, PRE). Saldanha, Donkergat, salt pan, 15 Apr 1970, *Greeff 3* (NBG, PRE). Stillbaai, 17 Jun 1963, *Tölken 358* (PRE). Stillbaai, Goekoe Estuary, east bank of the river, 04 May 2006, *Steffen & Mucina 040506/08* (MJG, NBG). Swellendam, 4 miles from Spitskop to Swellendam, 06 Mar 1964, *Tölken 524* (NBG, PRE). Swellendam, roadside rivulet about 1 mile E of the Breederivier, 14 Jul 1963, *Tölken 414* (NBG, PRE). Velddrif, Berg River estuary, at bridge over the Berg River, 19 Apr 2006, *Steffen & Köcke 190406/13* (NBG), *Steffen & Köcke 190406/10, 190406/18* (MJG, NBG). Velddrif, Berg River, ca. 4.3 km below bridge (Transect 3), 15 Jun 1987, *O'Callaghan s.n.* (NBG). Velddrif, Berg River, Die Mond, 05 Aug 1987, *O'Callaghan 1478* (NBG). Velddrif, Berg River, S bank 2.5 km below Carinus Bridge, 06 Mar 1987, *O'Callaghan 1491* (NBG). Velddrif, Berg River, S bank ca. 3 km W of railway bridge, 15 Oct 1986, *O'Callaghan 1256* (NBG). Velddrif, Berg River, W bank, ca. 2 km from mouth, 14 Oct 1986, *O'Callaghan 1177* (NBG). Velddrif, Dwarskersbos, 09 Dec 2000, *Mucina 091200/10-1* (MJG, NBG). Velddrif, Dwarskersbos, N of settlement, 17 May 2006, *Steffen & Mucina 170506/05* (MJG, NBG). Velddrif, Dwarskersbos, Rocher Pan Nat. Res., 20 Mar 1978, *Heyl 21* (NBG, PRE), 22 Feb 1982, *Laidler 10* (NBG). Velddrif, Dwarskersbos, Rocher Pan Nat. Res., island between house and inspection quarters, 20 Jan 1981, *van Rooyen & Ramsey 10* (PRE). Velddrif, Dwarskersbos, Rocher Pan Nat. Res., near 2nd hide at the E bank of the vlei, 09 Dec 2000, *Mucina 6905/1* (NBG). Velddrif, La Rochelle, at road between Dwarskersbos and Rocher Pan Nat. Res., 09 Dec 2000, *Mucina 091200/6-3* (NBG). Velddrif, N of Berg River E of town, Farm Steenbokfontein 133, 27 Mar 2007, *Mucina & Steffen 270307/17, 270307/19* (NBG). Velddrif, road from Velddrif to Piketberg, 19 Apr 2006,

Steffen & Köcke 190406/22 (MJG, NBG). Vermaaklikheid, Duivenhoks River mouth, E side, ca. 2 km from the mouth, 28 May 1984, *O'Callaghan, Fellingham & van Wyk 377* (NBG). Vredenburg, at road to Jacobsbaai, 04 Aug 2006, *Mucina & Jakubowsky 040806/20* (NBG). Vredenburg, next to Sandy Point Canning Factory, 06 Nov 1963, *Tölken 431* (NBG, PRE). Vredenburg, road from Vredenburg to Velddrif, 19 Apr 2006, *Steffen & Köcke 190406/09* (MJG, NBG). Vredenburg, salt pan near Danger Bay, 06 Nov 1963, *Tölken 423* (NBG, PRE). Witsand, Breede River estuary, near jetty, 03 May 2006, *Steffen & Mucina 030506/01* (MJG). Worcester, Aan de Doorns, below Sandberg, 23 Apr 2006, *Steffen & Mucina 230406/04, 230406/05* (NBG). Worcester, Aan de Doorns, Brandvlei, 01 Apr 2003, *Mucina & Walter 010403/01* (NBG). Worcester, Aan de Doorns, near the bridge over Brede River, 01 Apr 2003, *Walter & Mucina 5204, 5205, 5206* (WU). Worcester, along stream, 2 miles W of Mowers Station, 09 Feb 1964, *Tölken 494* (NBG, PRE). Worcester, Charonnes, Apr 1948, *van Breda 219* (PRE). Worcester, Klue St., Worcester Lake, 15 Dec 2002, *Mucina 151202/03* (NBG). Worcester, Kwaggaskloof, 23 Apr 2006, *Steffen & Mucina 230406/03* (MJG, NBG). Worcester, roadside near Worcester sewerage works, 03 Apr 1981, *Walters 2447* (NBG). Worcester, saline flats near Hex Station, 09 Feb 1964, *Tölken 492* (NBG, PRE). Yzerfontein, 1 km E of town on road to Darling, 09 Dec 2000, *Mucina 091200/7* (NBG). Yzerfontein, 3 km E of town on road to N7, 28 Mar 2003, *Walter & Mucina 5127* (WU). Yzerfontein, E of Salt Pan, 14 Apr 2006, *Steffen & Mucina 140406/30, 140406/32* (MJG, NBG). **Overberg ecomorphotype:** Bredasdorp, 6–8 miles on Struisbaai road, near Vogelvlei, 14 Jan 1931, *Galpin 113456?* (BOL). Elim, at road between Elim and Struisbaai, 22 Feb 2004, *Mucina 7507/2-1* (NBG). Elim, eastside of road Struisbaai–Bredasdorp, 26 Nov 2000, *Janssen & L. Mucina JJ6957/3* (NBG). Struisbaai, Heunignes River estuary, De Mond Nat. Res., 23 Mar 2003, *Walter & Mucina 5088* (MJG, WU), 17 Mar 2007, *Mucina & Steffen 170307/05* (MJG, NBG), 16 Feb 2008 *Mucina 160208/14* (NBG). Struisbaai, Karsrivier N of Struisbaai on road to Bredasdorp, 18 Mar 2007, *Mucina 180307/19* (MJG). Struisbaai, Karsrivier, at road to

Bredasdorp, 23 Mar 2003, *Walter & Mucina 5076* (WU). Struisbaai, Karsrivier, date unknown, *Janssen JJ7050/2* (NBG). Struisbaai, Vogelzang Farm, 04 Apr 2006, *Steffen & Mucina 040406/18* (MJG, NBG). Struisbaai, W of Zoetendalsvlei, at road Struisbaai–Elim, km 54.8, 05 Apr 2006, *Steffen & Mucina 050406/04* (MJG, NBG). Struisbaai, Zeekoeivlei on the Kars River, 06 Mar 1964, *Tölken 513* (NBG, PRE). **Robertson eco-morphotype:** Robertson, near Silvestroom Resort, 18 Feb 2006, *Mucina & Jakubowsky 180206/06* (MJG), *Mucina & Jakubowsky 180206/07* (MJG, NBG). Robertson, near Silvestroom Resort, near the dam, 23 Apr 2006, *Steffen & Mucina 230406/07, 230406/08* (MJG, NBG). Robertson, near Silvestroom Resort, opposite of golf course, 23 Apr 2006, *Steffen & Mucina 230406/20* (MJG, NBG). **Uncertain localities (presumably all within Western Cape):** Ascot, May 1928, *Levyns 6968, 16968* (J). Lake Side, Jan 1930, *Weintraub 18367* (J). Salt River mouth, 17 Feb 1918, *Moss 3141* (J), *Pillans 3224* (BOL).

***Sarcocornia tegetaria*.** MOZAMBIQUE. Inhaca Island, date unknown, *Mogg 28022* (PRE). Matola, 27 Jul 1963, *Mogg 32154* (J). Ponta Barra Falsa, near Pomene Rio mouth, 21 Nov 1958, *Mogg 2891W* (J). Santa Carolina Island, 03 Jul 1958, *Mogg 28790* (J).

SOUTH AFRICA. **Eastern Cape:** Boesmansriviermond, Bushman's River mouth, 14 Jan 1936, *Dyer 3368* (PRE), 29 Jan 1953, *Archibald 5010* (BOL, J), 08 Dec 1953, *Johnson 824* (PRE). Boesmansriviermond, Bushman's River estuary, below the road bridge, 09 May 2006, *Steffen & Köcke 090506/9* (MJG, NBG). Bosmansriviermond, Bushman's River, near Ghio bridge, 01 Mar 1984, *Hodgson s.n.* (PRE). Hamburg, Keiskamma River, 25 Jun 1963, *Tölken 400* (PRE). Hamburg, Keiskamma River mouth, 17 Sep 1953, *Wagner PRE 29115* (PRE). East London, Nahoon River Bridge, 26 Jun 1963, *Tölken 403* (PRE). Eliotdale, Bashe River mouth, 27 Jun 1963, *Tölken 404* (PRE). Gonube River, 5 miles E of River, 1.5 miles from mouth, 13 Jul 1984, *O'Callaghan 1032* (NBG). Great Fish River estuary, 09 May 2006, *Steffen & Köcke 090506/17* (NBG). Jefferey's Bay, Gamtoos River mouth, 20 Jun 1963, *Tölken 377* (PRE, NBG). Jefferey's Bay, Gamtoos River estuary, 18 Mar 2003, *Walter &*

Mucina 5018 (WU), 07 May 2006, *Steffen & Köcke* 070506/12 (MJG, NBG). Kei River mouth, 1892, *Flanagan* 1119 (NBG, PRE), Jan 1934, *Moss* 27425 (J), 04 Mar 1956, *Theron* 1906 (PRE), 02 Oct 1973, *Vorster* 2242 (PRE). Kenton-on-Sea, Boknes River mouth, 19 Dec 1996, *Mucina* LM6250/1 (NBG). Kenton-on-Sea, Ghio Wetland, at bridge over Bushman's River, 01 Oct 2001, *Mucina* 011001/18B, LM7283/1, LM7285/1 (NBG), 17 Mar 2003, *Walter & Mucina* 4997 (WU), 09 May 2006, *Steffen & Köcke* 090506/02, 090506/07 (MJG, NBG), 25 Jan 2007 *Mucina* 250107/02 (NBG). Kenton-on-Sea, Ghio Wetland Reserve, 31 Oct 2001, *Mucina* LM7328/X (NBG). Kenton-on-Sea, Kariega River bridge, *Tölken* 387 (NBG, PRE), 18 Mar 2003, *Walter & Mucina* 5007 (WU). Kenton-on-Sea, Kariega River estuary, 09 May 2006, *Steffen & Köcke* 090506/11 (NBG). Kenton-on-Sea, N of bridge over Kariega River, 01 May 2001, *Mucina* LM6939/2, LM6940/1 (NBG). Kenton-on-Sea, Kasouga village, beach, 18 Dec 1996, *Mucina* LM6239/1 (NBG). Kenton-on-Sea, Kasouga village, E of Kenton-on-Sea, 18 Dec 1996, *Mucina* LM6339/3, LM6339/4 (PRE). Mtakatye Estuary, S bank, 31 Aug 1974, *Ward* 8720 (PRE). Mtata River, 15 Aug 1950, *West* 3171 (PRE), 30 Aug 1974, *Ward* 8715, 8716 (PRE). Port Alfred, date unknown, *Britton* 2096 (J). Port Alfred, Kowie E, 16 Mar 1925, *Britton* 5206 (J), 5208 (BOL, J). Port Alfred, Kowie W, 23 Feb 1925, *Britton* 5202 (J). Port Alfred, Kowie River estuary, Oct 1916, *Tyson* 170 (PRE), 06 Jul 1974, *Davidson s.n.* (J), 09 May 2006, *Steffen & Köcke* 090506/20 (MJG, NBG). Port Elizabeth, Congella, 14 Apr 1964, *MacNae* 38130 (J). Port Elizabeth, Red House, Jan 1924, *Stephens* 18840 (BOL). Port Elizabeth, Redhouse, 19 Jan 1953, *Adamson* 4894, 4895 (PRE). Port Elizabeth, Redhouse, Feb 1924, *Stephens* 10016 (J). Port Elizabeth, sand flats opposite Amsterdam Hoek, 23 Jan 1973, *Dahlstrand* 2997 (J, NBG, PRE). Port Elizabeth, Swartkops Estuary, 1 km W of bridge over Swartkops River, 18 Mar 2003, *Walter & Mucina* 5010 (WU). Port Elizabeth, Swartkops River bank at Perseverance, 09 Sep 1947, *Rodin* 1212 (BOL, PRE), 1213 (BOL). Port Elizabeth, Swartkops River estuary, 11 Mar 1953, *Archibald* 5815, 5821 (BOL), 30 Jan 1963, *Troughton* 123 (PRE), 11 Feb 1977, *Olivier* 1762 (PRE), 08 May 2006, *Steffen & Köcke*

080506/05 (NBG). Port Elizabeth, Swartkops River estuary, on right bank to seaward side of national road close to Blue Pool, 15 Jan 1963, *MacNae PRE 52425* (PRE). Port Elizabeth, Swartkops River mouth, 30 Jan 1963, *Troughton 36910, 36911, 36913* (J), *Troughton 140* (PRE). St. Francis Bay, Kromme River estuary, at the road bridge, 29 Apr 2001, *Mucina 6932/2* (MJG, NBG), *LM6933/1* (NBG), 19 Mar 2003, *Walter & Mucina 5021* (WU), 07 May 2006, *Steffen & Köcke 070506/22* (MJG), *070506/24* (NBG), *Mucina 060408/02* (NBG).

KwaZulu Natal: Natal Bay [today Durban], 20 May 1883, *Wood 418* (NBG). Durban Bay, 20 Jun 1963, *Ward 4648* (PRE). Durban, Salisbury Island, 21 Feb 1919, *Welsh 17211* (J), 20 Jul 1928, *Forbes TRV 33995* (PRE), 05 May 1929, *Welsh 18397* (J). Durban, Umbilo, 15 Jul 1928, *Moss 3139* (J, PRE). Mtunzini, Umlalazi estuary, 15 Jul 1961, *MacNae PRE 29112* (PRE). Mtunzini, Umlalazi estuary, Dunn's Pool area, 19 Jul 1962, *Ward 4228* (PRE).

NAMIBIA. Lüderitz, Mar 1924, *Stöber 11893* (J), Jul 1925, *Moss & Ottley 11715* (J), 13 Jan 1930, *Moss 18123* (J), 19 Mar 1949, *Kinges 2034* (PRE), 02 Aug 1959, *Giess & van Vuuren 704a* (PRE), 08 Mar 1963, *de Winter & Hardy 7936* (BOL, PRE). Lüderitz, Diaz Cross, opposite of Halifax Island, 06 Dec 2005, *Mucina 061205/08* (MJG, NBG). Lüderitz, Guano Bay near Diaz Cross, 06 Dec 2005, *Mucina 061205/07* (NBG). Lüderitz, Halifax Bay, 05 Jan 1964, *Tölken 472* (PRE). Lüderitz, Lüderitz Bay, 10 May 1913, *Range 1750* (NBG). Lüderitz, Lüderitz Bay, end of lagoon, W bank, 05 Jan 1964, *Tölken 465* (PRE). Lüderitz, Radford Bay, Oct 1908, *Range 6* (NBG). Lüderitz, S point of lagoon, 05 Aug 1959, *Giess & van Vuuren 674* (BOL). Lüderitz, SE of Lüderitz, 28 Feb 1996, *Burgoyne & Snow 5007* (PRE).

Oranjemund, 28 Mar 1958, *Merxmüller & Giess 2290* (PRE). Oranjemund, Orange River, N bank of river, ca. 500 m from coast, 11 Jul 1984, *O'Callaghan, van Wyk, Morley 13* (NBG).

Western Cape: Cape Peninsula, Feb 1918, *Moss 3146* (J), Feb 1924, *Moss 34951, Moss 37956* (J). Cape Town, Milnerton 12 Feb 1925, *Moss 11330* (J). Cape Town, Rugby, 26 Mar 1962, *Tölken 132* (PRE), 04 Sep 1962, *Tölken 164* (BOL). Cape Town, Salt River, Feb 1918, *Pillans 14242* (BOL), 07 Feb 1924, *Moss 8756, 8757* (J), 14 Feb 1920, *Moss 5259* (J), 17 Feb

1918, *Moss 3130* (J). Franskraal, Uilenkraalsmond, lagoon at camping site, 26 Nov 2000, *Mucina 6900/2* (NBG). Franskraal, Uilenkraalsmond, N bank of Uilenkraals River, 100 m below bridge, 18 Mar 1987, *O'Callaghan 1531* (NBG). Franskraal, Uilenkraalsmond, N of the road bridge, 05 Apr 2006, *Steffen & Mucina 050406/17* (NBG). Franskraal, Uilenkraalsmond, S of road bridge, 01 Sep 2001, *Mucina LM7200/2, LM7202/1, LM7205/3* (NBG). Franskraal, Uilenkraalsmond estuary, holiday resort, 15 Apr 2007, *Mucina 140407/06* (MJG, NBG). Gouritzmond, bridge over Gouritz River near Johnson's Post, 04 May 2006, *Steffen & Mucina 040506/11* (MJG, NBG). Knysna, along road to Knysna Heads, Dec 1942, *Fourcade 5891* (NBG). Knysna, Ashmead, 08 Feb 1987, *O'Callaghan 1454, 1463, 1465* (NBG). Knysna, Knysna Lagoon, Jan 1924, *Adamson 9937* (J), *Duthie 894* (BOL), *Moss 8875* (J), 05 Feb 1924, *Duthie 882* (BOL, J, NBG), 09 Feb 1924, *Duthie 8770* (J), 19 Jun 1963, *Tölken 365* (PRE, NBG), *366* (PRE), 27 Sep 2002, *Mucina 7353/2* (MJG). Knysna, Knysna Lagoon, Brenton, Jan 1924, *Duthie 996* (BOL, NBG). Knysna, Knysna Lagoon, George Rex Drive, 02 Apr 2000, *Mucina 020400/5* (NBG), 27 Sep 2002, *Mucina LM7353/1* (NBG), *Mucina LM7353/2* (MJG, NBG), 21 Mar 2003, *Walter & Mucina 5047, 5048, 5049* (WU), *Mucina 020400/5* (NBG), 03 Apr 2008, *Mucina 030408/04* (NBG). Knysna, Knysna Lagoon, turnoff to Leisure Island, 05 May 2006, *Steffen & Mucina 050506/04* (NBG). Knysna, salt marsh near Knysna River bridge, Feb 1924, *Duthie 893* (BOL, NBG). Langebaan, 16 Jun 1946, *Isaac BOL 23472* (BOL, PRE). Langebaan Lagoon, 09 Jan 1970, *Axelson 130* (NBG). Langebaan Lagoon, Donkergat, date unknown, *McMurty 86* (PRE). Langebaan Lagoon, E bank, 1 km N of Oostewal, 15 Oct 1986, *O'Callaghan 1264* (NBG). Langebaan Lagoon, Geelbek, at boardwalk to Bird Hide, 21 Aug 1997, *Mucina LM6433/1* (NBG). Langebaan Lagoon, Seeberg Bird Hide, 06 Feb 2000, *Mucina LM6804/3* (MJG), 09 Mar 2006, *Mucina 090306/02* (NBG), 14 Apr 2006, *Steffen & Mucina 140406/19* (MJG, NBG), *140406/08* (NBG). Langebaan Peninsula, Schrywershoek, 14 Aug 1975, *Boucher 2818b* (NBG, PRE). Langebaan, near Oosterwahl, 04 May 1967, *Simons 1989* (BOL). Mosselbaai, Great Brak

River, near camping site, 18 Jun 1963, *Tölken 361* (PRE). Nature's Valley, Tsitsikamma National Park, Vasselot Section, Groot River estuary, 06 May 2006, *Steffen & Mucina 060506/30* (MJG, NBG). Papendorp near Vredendal, Olifants River mouth, 11 Nov 1982, *O'Callaghan 345* (NBG, PRE), *360* (PRE), *361* (NBG), 25 Mar 2006, *Steffen & Mucina 250306/03* (MJG, NBG), 03 Feb 2008, *Mucina 030208/01* (NBG). Plettenberg Bay, Bitou River mouth, 19 Jun 1963, *Tölken 368* (PRE), 20 Mar 2003, *Mucina LM7411/1* (NBG), 06 May 2006, *Steffen & Mucina 060506/28* (MJG, NBG). Plettenberg Bay, Keurboomstrand, bridge over the Bitou River, 20 Mar 2003, *Walter & Mucina 5041* (WU). Plettenberg Bay, Keurboomrivier, next to petrol station, 10 Jul 1963, *Tölken 408* (PRE) Stillbaai, 17 Jun 1963, *Tölken 357* (PRE). Stillbaai, about 1.5 km N of the bridge over Goekoe River, 22 Mar 2003, *Walter & Mucina 5072, 5073* (WU). Stillbaai, Goekoe River estuary, E bank of the river, 22 Mar 2003, *Mucina LM7435/1* (NBG), 04 May 2006, *Steffen & Mucina 040506/06* (MJG, NBG). Stillbaai, Kaffir Kuils River [today Goekoe River], 2 miles from mouth, date unknown, *Muir 3209* (J). Stillbaai, S of bridge, 22 Jan 1999, *Mucina 6623/4* (NBG). Struisbaai, Heuningnes River estuary, 23 Mar 2003, *Walter & Mucina 5092, 5093, 5094, 5095, 5096, 5097* (WU), 04 Apr 2006, *Steffen & Mucina 040406/16* (MJG, NBG), 17 Mar 2007, *Mucina & Steffen 170307/01* (MJG, NBG), 16 Feb 2008, *Mucina 160208/01* (NBG). Velddrif, at the bird hide banks of Berg River, 27 Mar 2007, *Mucina & Steffen 270307/25* (MJG, NBG). Velddrif, Berg River estuary, near river mouth, 14 Oct 1986, *O'Callaghan 1154, 1176* (NBG). Velddrif, Berg River estuary, between restaurant Flamingo and Carinus bridge, 09 Dec 2000, *Mucina LM6907/1, LM6907/2, LM6907/3* (MJG, NBG). Velddrif, Berg River estuary, E of Carinus Brug, Bird Hide, 28 Mar 2003, *Walter & Mucina 5144a, 5144b* (WU). Velddrif, Berg River estuary, Port Owen (planned), 13 Feb 1981, *le Roux 2875* (NBG). Velddrif, Port Owen, flats along Berg River, 16 Feb 1986, *Boucher 5121* (NBG, PRE). Velddrif, Berg River estuary, at Carinus bridge, 19 Apr 2006, *Steffen & Köcke 190406/12*,

190406/16 (MJG, NBG). Witsand, Berg River mouth, 14 Oct 1986, *O'Callaghan 1154* (NBG).

Sarcocornia xerophila. SOUTH AFRICA. **Western Cape:** Bitterfontein, 7 km NE of Bitterfontein, 05 Dec 1973, *Tölken 5167* (PRE). Bitterfontein, near N7 road opposite of the turnoff to Groot-Graafwater, 26 Aug 2006, *Mucina & Jakubowsky 260806/16* (MJG, NBG). Garies [possibly referring to the closest big town, but still actually collected in Knersvlakte], date unknown, *Marloth 5620* (PRE). Vanrhynsdorp, 03 Sep 1948, *Compton 20874* (BOL, NBG). Vanrhynsdorp, 22 km N of Vanrhynsdorp, along track to Douse-the-Glim, 14 Oct 1989, *Greuter 21754* (PRE), 03 Feb 2008, *Mucina 030208/06* (NBG). Vanrhynsdorp, 24 miles NNW of Vanrhynsdorp, 14 Sep 1948, *Acocks 14788* (PRE). Vanrhynsdorp, between Vanrhynsdorp and Nieuwerus, 12 Oct 1928, *Hutchinson 812* (PRE). Vanrhynsdorp, dry hills around Vanrhynsdorp, Jan 1928, *Pillans 18786* (BOL). Vanrhynsdorp, N of town, quartzite ridge E of N7, 05 Jan 2000, *Burgoyne 7381* (NBG, PRE). Vanrhynsdorp, Farm Quagga's Kop N of Vanrhynsdorp, 05 Sep 1986, *Hilton-Taylor 1539* (NBG), 18 Aug 1992, *Gerbaulet & Struck 24703* (BOL), 08 Aug 1993, *Gerbaulet & Struck 24876* (BOL), 23 Sep 2001, *Mucina & Santos Guerra 230901/8* (MJG, NBG), 19 Sep 2004, *Mucina 190900/4* (MJG, NBG). Vanrhynsdorp, Rooiberg, 08 Dec 1988, *van Blerk 25* (NBG), 23 Jan 2003, *Mucina 230103/05* (NBG), 28 Mar 2003, *Walter & Mucina 5170, 5072* (WU), 25 Mar 2006, *Steffen & Mucina 250306/08* (MJG, NBG).

Sarcocornia terminalis. SOUTH AFRICA. **Northern Cape:** Kleinzee, Molyneux Reserve, lower part, 05 Sep 2005, *Mucina 050905/11* (NBG); Kamieskroon, bridge of N7, 21 Sep 2001, *Mucina & Santos Guerra 210901/19S* (MJG, NBG). **Western Cape:** Bitterfontein, 1 mile past Doringbos in dry river bed, 22 Sep 1968, *Tölken 1574* (BOL). Bitterfontein, below the bridge over Swart-Doring River on N7 just S of provincial border, 27 Apr 2007, *Mucina 270407/01* (NBG). Strandfontein (SW of Vredendal), beach 1.5 km N of town, 21 Jan 2003, *Mucina 210103/08* (MJG, NBG). Tanqua Karoo, on road between Karoopoort and

Sutherland, near the farm Fonteinskop, 31 Jan 04, *Mucina 310104/2* (MJG). Tanqua Karoo, bridge over Doring River on Ceres–Calvinia road, 23 Aug 2008, *Mucina 230808/10* (NBG).

Tanqua Karoo, Doring River valley S of Nieuwoudtville, tributary of Doring River between Driefontein & Doringbos farms, 17 Jun 2008, *Mucina 170607/08* (MJG, NBG).

Vanrhynsdorp, below the double bridge over Soutrivier, 30 Apr 2007, *Mucina 300407/03* (NBG). Vanrhynsdorp, dry river bed, 8 or 9 miles N of Vanrhynsdorp, 22 Jan 1930, *Moss 18043* (J).

Vanrhynsdorp, Kalkgat Farm, banks of Soutrivier, 17 Jun 1987, *Boucher 5150*

(NBG). Vanrhynsdorp, Rooiberg 25 km NNW of Vanrhynsdorp, Rooiberg River (tributary of Salt River), 29 Mar 2003, *Walter & Mucina 5172a, 5172b, 5173, 5174* (WU), 04 Jun 2005, *Mucina 040605/08* (NBG), 25 Mar 2006, *Steffen & Mucina 250306/07* (MJG, NBG).

Vanrhynsdorp, Salt River between Vanrhynsdorp and Nieuwoudtville, 30 Sep 1932, *Levyans 4102* (BOL).

Vanrhynsdorp, Salt River, 18 miles N of Vanrhynsdorp, 22 Jan 1930, *Moss 17863* (J), 22 Jan 1930, *Moss 17908* (BOL, J, PRE).

Vanrhynsdorp, Salt River, about 22 miles N of Vanrhynsdorp, 19 Mar 1964, *Tölken 536* (BOL, PRE). Vanrhynsdorp, 16.5 miles N of

Vanrhynsdorp, banks of Salt River, 23 Mar 1948, *Acocks 14186* (PRE).

SUPPLEMENTAL APPENDIX 2. Specimens examined representing putative interspecific hybrids of *Sarcocornia*.

***Sarcocornia* sp.** MOZAMBIQUE. nr. Lourenco Marques, 1 Oct 1925, *Moss & Ottley 11739* (J); Sul do Save, Chibuto, Baixo Changana, date unknown, *Macedo & Macuácuá 1132* (PRE). SOUTH AFRICA. Western Cape: Bredasdorp, de Hoop Vlei, date unknown, *van der Merwe 2317* (PRE); Possesion Island, Mar 1983, *Brooks s.n.* (BOL); Salt River, Vanrhynsdorp, 13 Jun 1964, *Tölken 557* (PRE); Kleinmond, S bank 2 km from foot bridge, 24 Mar 1987, *O'Callaghan 1566* (NBG); Gansbaai, Uilkraalsriviermond, 07 Aug 1998, *Mucina*

6568/4 (STEU); Deep River, near Woodbridge, in front of Golf Course, marsh fringing lagoon, 11 Nov 1986, *O'Callaghan 1272* (NBG); Tanqua Karoo, 31 Jan 04, *Mucina 310104/2* (MJG); Kalbaskraal (S of Malmesbury), Farm Kalbas Kraal Outspan, near bridge of N7 road over Zout Rivier, 26 Feb 2000, *Mucina 26022000/1-1* (STEU); Gouritz River Mouth 27 May 1984, *O'Callaghan, Fellingham, van Wyk 349* (NBG); Bradrivier (Little Karoo), just west of Springfontein Farm, 19 Feb 06, *Mucina & Jakubowsky 190206/18* (MJG).

Sarcocornia cf. decumbens. SOUTH AFRICA. Western Cape: Gouritz River Mouth, 27 July 1985, *O'Callaghan, Fellingham, van Wyk 346* (NBG).

Sarcocornia cf. mossiana. SOUTH AFRICA. Western Cape: Bredasdorp, between "Ou Plaas" and Malgas, 05 Feb 1963, *Jordaan M233* (NBG); Reddelingshuys, Farm Welbedag, bridge over Verlorenvlei River, 27 Mar 2004, *Mucina 270304/1* (MJG, STEU); Olifants River, date unknown, *Mucina 7081/1* (STEU).

Sarcocornia cf. natalensis. MOZAMBIQUE. Inhambane, Banamana Salina, 20 km SW of Mabote, date unknown, *Tinley 2960* (PRE). NAMIBIA. Spencer Bay, Satielhügel N, 16 Jan 1974, *Giess & Robinson 13218* (PRE). SOUTH AFRICA. Eastern Cape: Fish River, flood plain W of river, 15 Jul 1984, *O'Callaghan 1084* (NBG); Kenton-on-Sea, Ghio Marsh N.R., 16 Dec 1996, *Mucina 6230/2* (PRE). KwaZulu Natal: Msikaba River Mouth, 13 Jul 1976, *Venter 973* (PRE); North Coast, Richards Bay, Harbour (W), 23 Feb 1993, *Ward 12215* (PRE). Western Cape: Gouritzmond, Gouriqua, Rein's N.R., close to lighthouse at Ystervarkpunt, 02 May 2000, *Mucina 020400B/3* (STEU); Salt River, 22 m. N of Vanrhynsdorp, 19 Mar 1964, *Tölken 537* (NBG); De Hoop Vlei, date unknown, *van der Merwe 2317* (PRE); Flats E of Kabeljous River Mouth, at edge of lagoon, Nov 1928, *Fourcade 4217* (BOL, NBG); Possesion Island, 24 Jan 1980, *Brooks 7* (BOL); Rugby, 16 Jun 1963, *Tölken 348* (PRE).

Sarcocornia cf. pillansii. SOUTH AFRICA. Eastern Cape: Port Elizabeth, Swartkops estuary close to national road, 08 Jan 1963, *MacNae PRE 52353* (PRE). Western Cape: Cape

Town, Milnerton, Rietvlei Nature Reserve, close to parking area, 20 Apr 2006, *Steffen & Köcke 200406/05* (MJG); West Coast, road from Vredendal to Velddrif, 19 Apr 2006, *Steffen & Köcke 190406/09* (MJG, STEU); 16.5 mi. N of Vanrhynsdorp, banks of Salt River, 23 Mar 1948, *Acocks 14186* (PRE); Deep River, N of Golf Course, marsh, 11 Nov 1986, *O'Callaghan 1302* (PRE, NBG); Salt River, swamp, 18 Dec 1897, *Froembling 503* (NBG, PRE); Knysna, Woodbourne, growing on sides of causeway, Feb 1924, *Duthie 885* (BOL, NBG).

Sarcocornia cf. tegetaria. SOUTH AFRICA. Eastern Cape: near Port Elizabeth, 09 Sep 1947, *Rodin 1213* (BOL). KwaZulu Natal: Mtuzuni Distr., Umlalazi N.R. (Dunn's Pool area), 19 Jul 1962, *Ward 4228* (PRE). Western Cape: Berg River Salt Marsh, W bank of river c. 2 km from mouth, 14 Oct 1986, *O'Callaghan 1176* (NBG); Knysna, Jan 1924, *Duthie 894* (BOL); Langebaan Lagoon, E bank, 1 km N of Oostewal, 15 Oct 1986, *O'Callaghan 1264* (NBG); Rugby, 04 Sep 1962, *Tölken 164* (BOL); Salt River Mouth, Feb 1918, *Pillans 14242* (BOL).

Sarcocornia capensis x natalensis. SOUTH AFRICA. Western Cape: Commetje, Feb 1924, *Moss 11681* (J); Ratelrivier 300 Farm by Quoin Point, at road between Die Dam and Dirkuyskraal, 26 Nov 2000, *Mucina 261100/4* (STEU).

Sarcocornia capensis x pillansii. SOUTH AFRICA. Western Cape: Paardeneiland, 20 Apr 1962, *Tölken 147* (BOL); Rugby, 24 Apr 1964, *Tölken 546* (NBG); Rugby, 10 Apr 1964, *Tölken 548* (NBG); Salt River mouth, 02 Feb 1924, *Moss 8761* (J); Uilkraals River, N bank, 2.5 km above bridge, T3, 18 Mar 1987, *O'Callaghan 1528* (NBG); Helderberg Municipality, Faure, 12 Mar 2000, *Mucina 120300/2* (STEU).

Sarcocornia capensis x tegetaria. SOUTH AFRICA. Eastern Cape: Port Elizabeth, Swartkops estuary, 19 Jan 1953, *Archibald 4927* (BOL). Western Cape: Milnerton, May 1930, *Moss 8765* (PRE); Paardeneiland, 10 Apr 1964, *Tölken 551* (NBG).

Sarcocornia decumbens x natalensis. MOZAMBIQUE. Matola Bridge, date unknown, *Tölken 1093, 1094* (PRE); salt flats between Lourenco Marques and Matola, date unknown, *MacNae 4* (PRE). SOUTH AFRICA. Western Cape: Goede Hoop Vlei, S banks, 06 Mar 1964, *Tölken 517* (PRE).

Sarcocornia decumbens x pillansii. SOUTH AFRICA. Eastern Cape: Fish River, salt marsh W of river, 15 Jul 1984, *O'Callaghan 1085* (NBG); Port Elizabeth, Swartkops estuary, 11 Mar 1953, *Archibald 5820* (BOL).

Sarcocornia decumbens x tegetaria. MOZAMBIQUE. Inhaca Island, 23 m. E of Lourenco Marques, Port East Africa, date unknown, *Mogg 27351* (PRE); salt marsh; Matola Rd., near Lourenco Marques, 28 Sep 1925, *Ottley & Moss 16996* (J). SOUTH AFRICA. Western Cape: Great Brak River, Feb 1926, *Bolus 18834* (BOL); Ashford Beach, Belvidere, Knysna, Feb 1924, *Duthie BOL 87893* (BOL); Milnerton, 24 Feb 1924, *Adamson s.n.* (BOL); Riversdale, 2 mi. from the sea, muddy shores of river, 13 Nov 1925, *Muir 46456* (J); Salt marshes between Heatherton and Rugby, 21 Feb 1919, *Moss 8776* (J).

Sarcocornia freitagii x pillansii. SOUTH AFRICA. Western Cape: West Coast, Velddrif, Farm Sttenbokfontein 133, 27 Mar 2007, *Mucina & Steffen 270307/16* (MJG).

Sarcocornia littorea x mossiana. SOUTH AFRICA. Western Cape: Die Kelders by Gansbaai, date unknown, *Mucina 6896/6* (MJG, STEU).

Sarcocornia littorea x natalensis. SOUTH AFRICA. Western Cape: Simonstown, Kogelberg State Forest, Rooi Els inspection quarters, 13 Feb 1973, *Boucher 2100* (NBG, PRE).

Sarcocornia littorea x tegetaria. SOUTH AFRICA. Western Cape: Still Bay, mud flats near caravan camp, 16 Sep 1978, *Bohnen 4162* (NBG, PRE).

Sarcocornia mossiana x pillansii. SOUTH AFRICA. Eastern Cape: St. Francis Bay, Krome River, 27 Oct 2001, *Mucina 7297/4* (MJG, STEU). Western Cape: Bredasdorp, Vogelvlei on Struis Bay road, 15 Jan 1931, *Galpin 11345b* (PRE); 10 mi. W of

Riviersonderend, 06 Mar 1964, *Tölken 531* (PRE); Montagu, Dec 1921, *Rogers 15498* (BOL); near Struis Bay, 04 Apr 1931, *Levyens 3535* (BOL); roadside near Montagu, Jul 1918, *Michell 15659* (BOL); Stillbaai, Goekoe Estuary, east bank of the river, 04 May 2006, *Steffen & Mucina 040506/07* (STEU); Cape Town, Milnerton, Rietvlei Nature Reserve, close to parking area, 20 Apr 2006, *Steffen & Köcke 200406/04* (MJG, STEU); Krasrivier between Bredasdorp/Struisbaai, date unknown, *Walter & Mucina 5076* (MJG); Little Karoo, Barrydale, date unknown, *Walter & Mucina 5067* (MJG); Velddrif, Dwarskersbos, 09 Dec 2000, *Mucina 091200/6-3* (MJG); uncertain locality, 12 Sep 2003, *Mucina 120903/2* (MJG).

***Sarcocornia natalensis* x *pillansii*.** SOUTH AFRICA. Eastern Cape: Uitenhage Distr., Red House, 06 Mar 1964, *Fries, Norlindh & Weimarck 531* (BOL, PRE). Northern Cape: Little Namaqualand, among boulders nr. Hondeklip Bay, Oct 1924, *Pillans 18221* (BOL, NBG). Western Cape: Gordons Bay, Jan 1926, Gillett s.n. (BOL); Bredasdorp, Farm Spitzkop, roadside rivulet, 06 Mar 1964, *Tölken 522* (PRE); De Hoop - Potberg N.R., Windhoek, along side of De Hoopvlei, date unknown, *Burgers 1706* (PRE); George, Great Brak River Mouth, Feb 1926, *Bolus 18836* (BOL); Hermanus, Grotto Beach, salt marsh on edge of a lagoon cut off from the sea, date unknown, *Mucina 6279/1, 6279/2* (PRE); Milnerton, 24 Apr 1964, *Tölken 542* (NBG); Namaqualand, Konfontein Gorge, 13 Jul 1924, *Geffen 34* (BOL); Rugby, 20 Apr 1962, *Tölken 146* (BOL); Rugby, 24 Apr 1964, *Tölken 547* (NBG); Hermanus, Kleinrivier Lagoon, Prawn Flats, at the jetty, 23 Apr 2006, *Steffen & Mucina 230406/14* (MJG, STEU); Velddrif, Rocher Pan Nat. Res., 09 Dec 2000, *Mucina 6905/1* (MJG, STEU); Velddrif, Dwarskersbos, 09 Dec 2000, *Mucina 091200/6-2* (MJG); West Coast National Park, Geelbek, at Bird Hide, 14 Apr 2006, *Köcke & Mucina 140406/23* (MJG, STEU); West Coast, road between Vredenburg and turnoff to St. Helena Bay, Heuningklip Farm, 17 May 2006, *Steffen & Mucina 170506/09* (MJG, STEU).

***Sarcocornia natalensis* x *tegetaria*.** SOUTH AFRICA. Eastern Cape: East London, Beacon Bay, 07 Dec 1979, *van Wyk 3228* (PRE); Kenton-on-Sea, Ghio Marsh N.R., 16 Dec

1996, *Mucina* 6230/3 (PRE); Port Alfred, E bank, 02 Oct 1977, *Gibbs Russell* 3852 (PRE); Jefferey's Bay, Kabeljous River estuary, 07 May 2006, *Steffen & Köcke* 070506/28 (MJG). KwaZulu Natal: Durban, Bayhead swamps, 13 Jan 1963, *Turvey BOL* 47889 (BOL); Durban, Salisbury Island, 08 Jul 1932, *Galpin* 12132 (PRE); Umbilo, near Durban, 12 Feb 1925, *Moss* 4335 (J). Northern Cape: Little Namaqualand, coast 4 m. S of Hondeklip Bay, Oct 1924, *Pillans* 18216 (BOL). Western Cape: Albertinia Dist., Gouritz River mouth, SW side of the mouth, +3/4 km upriver, 14 Mar 1998, *Oliver* 11102 (NBG); Great Brak River near lagoon, edge of lagoon, Nov 1928, *Fourcade* 4045 (BOL, NBG); Knysna, Bitou River, near bridge, Feb 1922, *Fourcade* 1997 (BOL); Salt marhs SE corner of Blind Lagoon, Berg River, upper marsh, 14 Oct 1986, *O'Callaghan* 1166 (NBG); Knysna, 04 Jul 1967, *Ward* 8896 (PRE); Knysna lagoon, date unknown, *Mucina* 6442/5 (PRE); Salt River mouth, 13 Jul 1963, *Tölken* 410 (PRE); Salt River, near Cape Town, 7 Feb 1924, *Moss* 8756 (J); Vanrhynsdorp, Sout River Mouth, 7 Feb 1924, *Moss* 8757 (J); Agulhas Plain, De Mond N.R., Heunignes Estuary, 09 Apr 1981, *Parsons* 211 (NBG, PRE); Gansbaai, Franskraal, 04 Apr 2006, *Steffen & Mucina* 040406/17 (MJG); Gansbaai, Franskraal, date unknown, *Walter & Mucina* 5107/8 (MJG); Overberg, Franskraal, Uilkraalsmond Estuary, N of the road bridge, date unknown, *Walter & Mucina* 5107/8 (MJG); Franskraal, Uilenkraalsmond, lagoon at camping site, 26 Nov 2000, *Mucina* 6898/2 (STEU).

***Sarcocornia pillansii* x *tegetaria*.** NAMIBIA. Lüderitz, 02 Aug 1959, *Giess & van Vuuren* 704a (BOL). SOUTH AFRICA. Eastern Cape: Alexandria, Kariega River Mouth, 24 Jun 1963, *Tölken* 384 (PRE); Boesmans River, 16 Jul 1984, *O'Callaghan* 1098 (NBG); Bushman's River Mouth, 29 Jan 1953, *Archibald* 5009 (BOL); Gonube River, salt marsh E of River 500 m from mouth, 12 Jul 1984, *O'Callaghan* 1034 (NBG); Grahamstown, Kasuka River Mouth, 09 Jan 1974, *Dahlstrand* 3113 (J); Kei River Mouth, Jan 1934, *M. Moss* 27426 (J); Kei River Mouth, Jan 1892, *Flanagan* 1119 (BOL); Kowie E, 20 Feb 1925, *Britton* 5198 (J); Kowie W, 23 Feb 1925, *Britton* 5203 (J); Kowie W, 16 Mar 1925, *Britton* 5209 (J); Ncera

River, rocky outcrop 500 m from mouth, 14 Jul 1984, *O'Callaghan 1070* (PRE); Ncera River, salt marsh 1.5 km from mouth, 14 Jul 1984, *O'Callaghan 1055* (NBG); Port Alfred, 20 Jan 1947, *Acocks 13276* (PRE); Port Elizabeth, Swartkops River estuary, 08 May 2006, *Steffen & Köcke 080506/5* (MJG, STEU); Fish River Mouth, Great Fish River estuary, 09 May 2006, *Steffen & Köcke 090506/17* (MJG, STEU); Kenton-On-Sea, Ghio, date unknown, *Mucina 7282/3* (MJG); Kenton-On-Sea, Ghio Wetl. Res., *Mucina 7326/X* (MJG); Kenton-On-Sea, Ghio Wetl. Res., 31 Oct 2001, *Mucina 7328/1* (MJG, STEU); Kenton-on-Sea, Kariega River estuary, 09 May 2006, *Steffen & Köcke 090506/11* (MJG); Kenton-on-Sea, Ghio Wetland, at bridge over Bushmans River, 09 May 2006, *Steffen & Köcke 090506/6* (STEU). Western Cape: Knysna Lagoon, E-Bank, 27 Sep 2002, *Mucina 7353/1* (MJG, STEU); Ashmead, Knysna, lower marsh, 08 Feb 1987, *O'Callaghan 1461* (NBG); Berg River Salt marsh, c. 2 km above Carolinus Bridge on Island, 14 Oct 1986, *O'Callaghan 1181* (NBG); Berg River Salt marsh, c. 2 km above Carolinus Bridge on Island, 14 Oct 1986, *O'Callaghan 1180* (NBG); Berg River, S bank, c. 700 m below Carinus bridge, T2, 06 Mar 1987, *O'Callaghan 1484* (NBG); Duivenhoks River Mouth, E side, moderate N-facing slope, flood plain of Duievenhoks River, c. 2 km from mouth, 28 May 1984, *O'Callaghan, Fellingham, van Wyk 376* (NBG, PRE); Gouritz River Mouth, 27 May 1984, *O'Callaghan, Fellingham, van Wyk 348* (NBG); Hartenbos River Mouth, 10 Nov 1981, *Parsons 348* (NBG, PRE); Hartenbos River Mouth, 16 Jun 1963, *Parsons 347* (NBG, PRE); Knysna, 25 Feb 1924, *Duthie 10015* (J); Knysna Lagoon, bridge on old road, 13 Jul 1963, *Tölken 411* (PRE); Langebaan Lagoon, E bank, 1 km N of Oostewal, 15 Oct 1986, *O'Callaghan 1262* (NBG); Langebaan, S end, T6, 10 Mar 1987, *O'Callaghan 1518* (NBG); Olifants River Mouth, 16 Aug 1978, *le Roux & Ramsey 67* (NBG, PRE); Rugby, 15 May 1963, *Tölken 325* (PRE); Rugby, 26 Mar 1962, *Tölken 132* (BOL); Rugby, 24 Apr 1964, *Tölken 550* (NBG); Rugby, 24 Apr 1964, *Tölken 549* (NBG); S end of Langebaan, nr. Geelbek, 15 Oct 1986, *O'Callaghan 1267* (NBG); S end of Langebaan, nr. Geelbek, 15 Oct 1986, *O'Callaghan 1268* (NBG); S end of Langebaan, nr.

Geelbek, 15 Oct 1986, *O'Callaghan 1266* (NBG); salt marsh opposite Berg River mouth, 14 Oct 1986, *O'Callaghan 3218* (NBG); Berg River, Salt marsh SE of corner of Blind Lagoon Berg River; top of marsh, 14 Oct 1986, *O'Callaghan 1171* (NBG); Ashmead, Knysna, mid marsh, 08 Feb 1987, *O'Callaghan 1466* (NBG); Langebaan, West Coast National Park, Seeberg Bird Hide, 09 Mar 2006, *Mucina 090306/04* (MJG); West Coast National Park, E of Seeberg Bird Hide, 14 Apr 2006, *Steffen & Mucina 140406/08* (MJG); West Coast National Park, E of Seeberg Bird Hide, 14 Apr 2006, *Steffen & Mucina 140406/09* (MJG, STEU); Langebaan, West Coast National Park, Seeberg Bird Hide, 09 Mar 2006, *Mucina 090306/02* (STEU); Langebaan, West Coast N.P., near hide at northern entrance to Park, 06 Feb 2000, *Mucina 6804/3* (STEU); Gouritzmond, Gouriqua, Rein's N.R., close to lighthouse at Ystervarkpunt, 02 Apr 2000, *Mucina 6815/5* (STEU); Gansbaai, Franskraal, Uilkraalsmond lagoon, S of road bridge, 01 Sep 2001, *Mucina 7205/3* (STEU); South Coast, Groot Brak River, N of N2 bridge over the river, 02 Dec 2004, *Mucina 021204/3* (MJG).