

Supplementary Tables

Table S1. Survey years and site ages for each rehabilitating coastal dune forest site, indicated by the year of establishment 1977 to 2000.

Survey year		1995	1999	2003	2004
Site name	Year of establishment				
Stand 1 (St001)	1977	18	22	26	27
Stand 2 (St002)	1980	15	19	23	24
Stand 3 (St003)	1984	11	15	19	20
Stand 4 (St004)	1988	7	11	15	16
Stand 5 (St005)	1992 ²	3	7	11	12
Stand 6 (St006)	1996	X	3	7	8
Stand 7 (St007)	2000	X	X	3	4
Sokhulu Forest	Reference site	Age unknown (>100 years old)			

Table S2. The 15 non-native species recorded in the rehabilitating coastal dune forests. All species listed in the Conservation of Agricultural Resources Act (1983) are in category 1; species that are prohibited weeds in need of control in all situations. Species authorities are sourced from the International Plant Names Index (www.ipni.org/index.html).

Latin Name	Common Name(s)
<i>Achyranthes aspera</i> (L.)	burweed ¹
<i>Ageratum conyzoides</i> (L.)	invading ageratum ^{1,2}
<i>Bidens bipinnata</i> (L.)	Spanish blackjack ²
<i>Bidens pilosa</i> (L.)	blackjack ²
<i>Catharanthus roseus</i> (G. Don)	Madagascar periwinkle ²
<i>Chromolaena odorata</i> (L.), R.M.King & H.Rob.	trifid weed ^{1,2}
<i>Commelina benghalensis</i> (L.)	Benghal wondering jew ²
<i>Lantana camara</i> (L.)	lantana, tickberry, cherrypie ^{1,2}
<i>Oxalis corniculata</i> (L.)	creeping oxalis ²
<i>Passiflora subpeltata</i> (Ortega)	passion fruit ²
<i>Rivina humilis</i> (L.)	bloodberry ^{1,2}
<i>Sonchus oleraceus</i> (L.)	sowthistle ²

Tagetes minuta (L.)

khaki-weed, Mexican marigold²

Cuscuta campestris (Yunk.)

common dodder¹

Richardia brasiliensis (Gomez)

tropical Mexican clover, white-eye²

¹ Conservation of Agricultural Resources Act (1983)

² Henderson (2007)

Table S3. Results of a SIMPER analysis showing the species responsible for 60% similarity within age categories. Habitat associations are according to Pooley (1998).

Age category (years)	Species	Mean abundance	Mean similarity	Standard deviation	Percentage contribution to similarity	Cumulative percentage	Habitat
3 to 5	<i>Dactyloctenium geminatum</i>	38.82	7.23	0.60	34.92	34.92	Coastal bush near sea
	<i>Panicum maximum</i>	21.85	2.89	0.49	13.95	48.87	Open woodland and bushveld
	<i>Senecio sp.</i>	13.62	1.70	0.51	8.21	57.07	Forest margins
	<i>Commelina benghalensis</i>	11.79	1.11	0.38	5.36	62.43	Disturbed areas and forest margins
6 to 10	<i>Digitaria diversinervis</i>	28.23	3.62	0.60	22.12	22.12	Forest margins
	<i>Asystasia gangetica</i>	22	1.68	0.39	10.29	32.41	Forest edge
	<i>Ipomoea ficifolia</i>	11.49	1.61	0.52	9.84	42.24	Riverine forest and grasslands
	<i>Mariscus dregeanus</i>	9.95	1.19	0.37	7.30	49.54	Swampy grasslands
	<i>Aneilema aequinoctiale</i>	10.15	1.09	0.39	6.66	56.20	Forest margin
	<i>Dactyloctenium australe</i>	7.41	0.99	0.34	6.04	62.24	Grassland and bushveld
11 to 15	<i>Dactyloctenium australe</i>	33.50	5.40	0.67	21.05	21.05	Grassland and bushveld
	<i>Laportea peduncularis</i>	37.10	5.34	0.62	20.79	41.84	Coastal forest
	<i>Digitaria diversinervis</i>	29.13	4.47	0.61	17.41	59.25	Forest margins
	<i>Cynanchum ellipticum</i>	8.29	1.74	0.95	6.77	66.02	Edge of coastal scrub
16 to 20	<i>Digitaria diversinervis</i>	46.07	6.94	0.89	22.39	22.39	Forest margins
	<i>Laportea peduncularis</i>	43.73	6.49	0.99	20.93	43.31	Coastal forest

	<i>Achyranthes aspera</i>	26.36	3.48	0.73	11.22	54.54	Widespread (some shade tolerance)
	<i>Asystasia gangetica</i>	25.16	2.34	0.51	7.56	62.10	Forest edge
	<i>Digitaria diversinervis</i>	70.63	12.92	1.96	26.29	26.29	Forest margins
20 to 27	<i>Achyranthes aspera</i>	53.27	8.32	1.24	16.93	43.22	Widespread (some shade tolerance)
	<i>Laportea peduncularis</i>	51.86	7.86	1.34	15.99	59.21	Coastal forest
	<i>Asystasia gangetica</i>	53.29	7.69	0.92	15.65	74.88	Forest edge
	<i>Isoglossa woodii</i>	37.78	9.40	0.70	31.47	31.47	Evergreen forest
	<i>Pupalia lappacea</i>	16.87	4.37	0.91	14.64	46.10	Widespread (some shade tolerance)
Sokhulu Forest	<i>Pyrenacantha scandens</i>	11.65	3.36	0.87	11.24	57.34	Forest (Liana)
	<i>Cyphostemma woodii</i>	10.74	2.14	0.46	7.15	64.49	Forest (Climber)
