

**ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED
NUCLEAR POWER STATION ('NUCLEAR 1') and ASSOCIATED
INFRASTRUCTURE**

Botany and Dune Ecology Impact Assessment

APPENDICES

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COASTEC

J27035

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APPENDIX 4.1.1. PLANT SPECIES RECORDED FROM DUYNEFONTEIN: INDIVIDUAL LISTS

NT: Near Threatened; R: Rare, VU: vulnerable EN: Endangered, CR: Critically Endangered

LC: Least Concern; DD: Data Deficient; De: Declining

Report produced by the SaSFLORA database: data (C) Coastec; database design and structures (C) Reuben Roberts 1998-2008

Nuclear 1 EIA and EMP
Specialist Study for Environmental Impact Report
Specialist Study: Botany and Dune Ecology

Issue 3.0 / November 2009

COMMUNITY K1: PRIMARY DUNES

Division: Anthophyta

Class: Dicotyledones

Total named species: 24

Total genera: 21

Total families: 13

Total red data species: 3

Total introduced species: 2

AIZOACEAE

Tetragonia
decumbens Mill.

APIACEAE

Dasispermum
suffruticosum (P.J.Bergius) B.L.Burt

ASTERACEAE

Arctotheca
populifolia (P.J.Bergius) Norl.
Didelta
carnosa (L.f.) Aiton var. tomentosa
Helichrysum
crispum (L.) D.Don.
niveum (L.) Less.
Senecio
elegans L.
cf. maritimus L.
Tripteris
dentata (Burm.f.) O.Hoffm.

CRASSULACEAE

Crassula
cf. glomerata P.J.Bergius

FABACEAE

Psoralea
repens L. NT

GERANIACEAE

Pelargonium
capitatum (L.) L'Hér.

MESEMBRYANTHEMACEAE

Amphibolia
laevis (Aiton) H.E.K.Hartmann LC
Carpobrotus
acinaciformis (L.) L.Bolus LC
Ruschia
indecora (L.Bolus) Schwantes EN

MYRICACEAE

Morella
cordifolia (L.) Killick

SCROPHULARIACEAE

Hemimeris
racemosa (Houtt.) Merr. LC
Manulea
tomentosa (L.) L.

THYMELAEACEAE

Passerina
ericoides L. VU

Division: Anthophyta

Class: Monocotyledones

ASPHODELACEAE

Trachyandra
ciliata (L.f.) Kunth LC
divaricata (Jacq.) Kunth

CYPERACEAE

Ficinia
lateralis (Vahl) Kunth
Isolepis
cf. antarctica (L.) Roem. & Schult.

POACEAE

Cladoraphis
cyperoides (Thunb.) S.M.Phillips

COMMUNITY K2: FOREDUNES

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE	Ruschia
Tetragonia	macowanii (L.Bolus) Schwantes
fruticosa L.	OROBANCHACEAE
ANACARDIACEAE	Hyobanche
Rhus	sanguinea L.
glauca Thunb.	PLUMBAGINACEAE
laevigata L.f.	Afrolimon
APIACEAE	perigrinum (P.J.Bergius) Lincz.
Dasispermum	RHAMNACEAE
suffruticosum (P.J.Bergius) B.L.Burt	Phyllica
APOCYNACEAE	ericoides L.
Cynanchum	SANTALACEAE
obtusifolium L.f.	Osyris
ASTERACEAE	compressa (P.J.Bergius) A.DC.
Chrysanthemoides	SCROPHULARIACEAE
incana (Burm.f.) Norl.	Nemesia
cf. monilifera (L.) Norl.	affinis Benth.
Cineraria	Oftia
geifolia (L.) L.	africana (L.) Bocq.
Didelta	SOLANACEAE
carnosa (L.f.) Aiton var. tomentosa	Solanum
Gazania	guineense L.
cf. pectinata (Thunb.) Hartweg	URTICACEAE
Metalasia	Didymodoxa
muricata (L.) D.Don.	capensis (L.f.) Friis & Wilmot-Deare
Othonna	VISCACEAE
coronopifolia L.	Viscum
filicaulis Jacq.	capense L.f.
Senecio	ZYGOPHYLLACEAE
elegans L.	Roepera
cf. maritimus L.	flexuosum Eckl. & Zeyh.
Tripteris	morgsana L.
dentata (Burm.f.) O.Hoffm.	Division: Anthophyta
CARYOPHYLLACEAE	Class: Monocotyledones
Silene	
undulata Aiton	ASPHODELACEAE
CELASTRACEAE	Trachyandra
Pterocelastrus	divaricata (Jacq.) Kunth
tricuspidatus (Lam.) Sond. LC	CYPERACEAE
CRASSULACEAE	Isolepis
Cotyledon	antarctica (L.) Roem. & Schult.
orbiculata L.	HYACINTHACEAE
Crassula	Albuca
glomerata P.J.Bergius	maxima Burm.f.
Tylecodon	IRIDACEAE
paniculatus (L.f.) Toelken	Gladiolus
CUCURBITACEAE	cunonius (L.) Gaertn.
Kedrostis	POACEAE
nana (Lam.) Cogn.	Ehrharta
EUPHORBIACEAE	villosa Schult.f. var. villosa
Euphorbia	
burmannii E.Mey. ex Boiss.	Total named species: 49
caput-medusae L.	Total genera: 42
GENTIANACEAE	Total families: 28
Chironia	Total red data species: 0
baccifera L.	Total introduced species: 1
GERANIACEAE	
Pelargonium	
capitatum (L.) L'Hér.	
MESEMBRYANTHEMACEAE	
Amphibolia	
laevis (Aiton) H.E.K.Hartmann LC	
Carpobrotus	
acinaciformis (L.) L.Bolus LC	
Jordaaniella	
dubia (Haw.) H.E.K.Hartmann LC	

COMMUNITY K3: TRANSVERSE DUNES

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE
Rhus
 laevigata L.f.

APIACEAE
Dasispermum
 suffruticosum (P.J.Bergius) B.L.Burt

APOCYNACEAE
Cynanchum
 africanum (L.) Hoffmanns.

ASTERACEAE
Chrysanthemoides
 cf. *incana* (Burm.f.) Norl.
Cineraria
 geifolia (L.) L.
Didelta
 carcosa (L.f.) Aiton var. *tomentosa*
Helichrysum
 cochleariforme DC. NT
 niveum (L.) Less.
 patulum (L.) D.Don.
 cf. *revolutum* (Thunb.) Less.
Metalasia
 muricata (L.) D.Don.
Nidorella
 cf. *foetida* (L.) DC.
Plecostachys
 serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt

Senecio
 burchellii DC.
 elegans L.
 halimifolius L.
 littoreus Thunb.

Seriphium
 plumosum L.

CARYOPHYLLACEAE
Cerastium
 cf. *capense* Sond.

CRASSULACEAE
Crassula
 cf. *glomerata* P.J.Bergius

FABACEAE
Lessertia
 cf. *frutescens* (L.) Goldblatt & J.C.Manning
Otholobium
 bracteolatum (Eckl. & Zeyh.) C.H.Stirt.
Psoralea
 repens L. NT

GENTIANACEAE
Chironia
 baccifera L.

GERANIACEAE
Pelargonium
 capitatum (L.) L'Hér.

MESEMBRYANTHEMACEAE
Carpobrotus
 acinaciformis (L.) L.Bolus LC
Ruschia
 indecora (L.Bolus) Schwantes EN
 macowanii (L.Bolus) Schwantes

MYRICACEAE
Morella
 cordifolia (L.) Killick

POLYGALACEAE
Nylandtia
 spinosa (L.) Dumort.

SANTALACEAE
Thesidium
 fragile (Thunb.) Sond.

SCROPHULARIACEAE
Dischisma
 cf. *ciliatum* (P.J.Bergius) Choisy
Lyperia
 tristis (L.f.) Benth.
Manulea
 tomentosa (L.) L.
Zaluzianskya
 villosa F.W.Schmidt

THYMELAEACEAE
Passerina
 ericoides L. VU

VISCACEAE
Viscum
 capense L.f.

ZYGOPHYLLACEAE
Roepera
 flexuosum Eckl. & Zeyh.

Division: Anthophyta

Class: Monocotyledones

ASPARAGACEAE
Asparagus
 capensis L.

ASPHODELACEAE
Trachyandra
 divaricata (Jacq.) Kunth

COLCHICACEAE
Ornithoglossum
 viride (L.f.) Aiton

CYPERACEAE
Ficinia
 lateralis (Vahl) Kunth
Hellmuthia
 membranacea (Thunb.) R.Haynes & K.Lye

HYACINTHACEAE
Albuca
 maxima Burm.f.

ORCHIDACEAE
Disperis
 cf. *villosa* (L.f.) Sw.

POACEAE
Cladoraphis
 cyperoides (Thunb.) S.M.Phillips
Ehrharta
 villosa Schult.f. var. *villosa*
Imperata
 cylindrica (L.) Raeuschel
Pentaschistis
 cf. *pallida* (Thunb.) H.P.Linder LC

RESTIONACEAE
Elegia
 tectorum (L.f.) Raf.
Thamnochortus
 spicigerus (Thunb.) Spreng.

Total named species:	54
Total genera:	46
Total families:	25
Total red data species:	4
Total introduced species:	1

Nuclear 1 EIA and EMP

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COMMUNITY K5: DWARF THICKET IN SOUTH

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE

Tetragonia
fruticosa L.

ANACARDIACEAE

Rhus
crenata Thunb.
glauca Thunb.
laevigata L.f.

APIACEAE

Capnophyllum
cf. africanum (L.) Gaertn. NT
Torilis
arvensis (Huds.) Link

APOCYNACEAE

Cynanchum
cf. africanum (L.) Hoffmanns.
Microloma
sagittatum (L.) R.Br.

ASTERACEAE

Arctotheca
calendula (L.) Levyns
Chrysanthemoides
incana (Burm.f.) Norl.
Cotula
cf. duckittiae (L.Bolus) Bremer & Humphries VU
Dimorphotheca
pluvialis (L.) Moench
Gazania
pectinata (Thunb.) Hartweg
Metalasia
muricata (L.) D.Don.
Othonna
coronopifolia L.
Senecio
cf. arenarius Thunb.
elegans L.

BRASSICACEAE

Heliophila
africana (L.) Marais

CAMPANULACEAE

Cyphia
crenata (Thunb.) C.Presl

CELASTRACEAE

Putterlickia
pyracantha (L.) Szeszyl.

CRASSULACEAE

Cotyledon
orbiculata L.
Crassula
dichotoma L.
glomerata P.J.Bergius
cf. tomentosa Thunb.

EBENACEAE

Euclea
racemosa Murray

EUPHORBIACEAE

Clusia
daphnoides Lam.
Euphorbia
caput-medusae L.
mauritanica L.

FABACEAE

Lebeckia
cf. spinescens Harv.

GERANIACEAE

Pelargonium
gibbosum (L.) L'Hér.
senecioides L'Hér.

LAMIACEAE

Salvia
africana-lutea L.

MALVACEAE

Hermannia
pinnata L.

MENISPERMACEAE

Cissampelos
capensis L.f.

MESEMBRYANTHEMACEAE

Carpobrotus
acinaciformis (L.) L.Bolus LC
Jordaaniella
dubia (Haw.) H.E.K.Hartmann LC
Ruschia
macowanii (L.Bolus) Schwantes

NEURADACEAE

Grielum
grandiflorum (L.) Druce

OLEACEAE

Olea
exasperata Jacq.

OXALIDACEAE

Oxalis
cf. polyphylla Jacq.

PLUMBAGINACEAE

Afrolimon
perigrinum (P.J.Bergius) Lincz.

POLYGALACEAE

Nylandtia
spinosa (L.) Dumort.

RUBIACEAE

Anthospermum
prostratum Sond.
Galium
tomentosum Thunb.

SANTALACEAE

Thesium
aggregatum A.W.Hill

SCROPHULARIACEAE

Dischisma
ciliatum (P.J.Bergius) Choisy

Hemimeris
sabulosa L.f.

Manulea
thyrsiflora L.f.

Nemesia
affinis Benth.

Zaluzianskya
villosa F.W.Schmidt

SOLANACEAE

Solanum
guineense L.

URTICACEAE

Didymodoxa
cf. capensis (L.f.) Friis & Wilmot-Deare

VISCACEAE

Viscum
capense L.f.

ZYGOPHYLLACEAE

Roepera
flexuosum Eckl. & Zeyh.
morgsana L.

COMMUNITY K5: DWARF THICKET IN SOUTH (contd.)

Division: Anthophyta

Class: Monocotyledones

ASPARAGACEAE

Asparagus

asparagoides (L.) Druce

capensis L.

ASPHODELACEAE

Trachyandra

ciliata (L.f.) Kunth LC

revoluta (L.) Kunth

CYPERACEAE

Ficinia

lateralis (Vahl) Kunth

HYACINTHACEAE

Albuca

cf. flaccida Jacq.

cf. maxima Burm.f.

IRIDACEAE

Babiana

tubulosa (Burm.f.) Ker Gawl. var. tubulosa VU

Ferraria

crispa Burm. subsp. crispa LC

Melasmaerula

ramosa (L.) N.E.Br.

POACEAE

Ehrharta

calycina Sm.

villosa Schult.f. var. villosa

Pentaschistis

cf. pallida (Thunb.) H.P.Linder LC

RESTIONACEAE

Thamnochortus

spicigerus (Thunb.) Spreng.

Total named species:	71
Total genera:	59
Total families:	37
Total red data species:	3
Total introduced species:	2

COMMUNITY K6: DWARF THICKET IN NORTH

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE

Tetragonia
fruticosa L.

ANACARDIACEAE

Rhus
glauca Thunb.
laevigata L.f.

APIACEAE

Peucedanum
typicum (Eckl. & Zeyh.) B.L.Burt

APOCYNACEAE

Cynanchum
africanum (L.) Hoffmanns.
cf. obtusifolium L.f.

ASTERACEAE

Chrysanthemoides
incana (Burm.f.) Norl.
cf. monilifera (L.) Norl.

Cineraria
geifolia (L.) L.

Gazania
cf. pectinata (Thunb.) Hartweg

Helichrysum
revolutum (Thunb.) Less.

Othonna
coronopifolia L.
filicaulis Jacq.

Senecio
arenarius Thunb.
elegans L.
littoreus Thunb.
cf. maritimus L.

Tripteris
dentata (Burm.f.) O.Hoffm.

BRASSICACEAE

Heliophila
africana (L.) Marais
cf. linearis (Thunb.) DC. var. linearifolia

CAMPANULACEAE

Cyphia
crenata (Thunb.) C.Presl

CARYOPHYLLACEAE

Silene
undulata Aiton

CELASTRACEAE

Pterocelastrus
tricuspidatus (Lam.) Sond. LC
Putterlickia
pyracantha (L.) Szyszyl.

CRASSULACEAE

Cotyledon
orbiculata L.
Crassula
glomerata P.J.Bergius
mucosa L.
tomentosa Thunb.

Tylecodon
paniculatus (L.f.) Toelken

CUCURBITACEAE

Kedrostis
nana (Lam.) Cogn.

EBENACEAE

Euclea
racemosa Murray

EUPHORBIACEAE

Clusia
daphnoides Lam.
Euphorbia
burmannii E.Mey. ex Boiss.
caput-medusae L.
mauritanica L.

FABACEAE

Indigofera
heterophylla Thunb.
Otholobium
bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

GERANIACEAE

Pelargonium
gibbosum (L.) L'Hér.

LAMIACEAE

Salvia
africana-lutea L.

MENISPERMACEAE

Cissampelos
capensis L.f.

MESEMBRYANTHEMACEAE

Jordaaniella
dubia (Haw.) H.E.K.Hartmann LC
Ruschia
macowanii (L.Bolus) Schwantes

OLEACEAE

Olea
exasperata Jacq.

OXALIDACEAE

Oxalis
obtusa Jacq. LC

PLUMBAGINACEAE

Afrolimon
perigrinum (P.J.Bergius) Lincz.

RHAMNACEAE

Phylla
ericoides L.

RUBIACEAE

Galium
tomentosum Thunb.

SANTALACEAE

Thesium
aggregatum A.W.Hill

SCROPHULARIACEAE

Hebenstretia
repens Jaroscz
Hemimeris
racemosa (Houtt.) Merr. LC
Nemesia
affinis Benth.

Phyllopodium
phyllopodiioides (Schltr.) Hilliard
Zaluzianskya
villosa F.W.Schmidt

SOLANACEAE

Solanum
guineense L.
nigrum L.

URTICACEAE

Didymodoxa
capensis (L.f.) Friis & Wilmot-Deare

ZYGOPHYLLACEAE

Roepera
flexuosum Eckl. & Zeyh.
morgsana L.

COMMUNITY K6: DWARF THICKET IN NORTH (contd.)

Division: Anthophyta

Class: Monocotyledones

ASPARAGACEAE

- Asparagus
 - aethiopicus L.
 - capensis L.

ASPHODELACEAE

- Trachyandra
 - ciliata (L.f.) Kunth LC
 - divaricata (Jacq.) Kunth

CYPERACEAE

- Ficinia
 - indica (Lam.) Pfeiffer

HYACINTHACEAE

- Albuca
 - maxima Burm.f.

IRIDACEAE

- Babiana
 - tubulosa (Burm.f.) Ker Gawl. VU
- Ferraria
 - crispa Burm. subsp. crispa LC
- Gladiolus
 - cunonius (L.) Gaertn.
- Melasphaerula
 - ramosa (L.) N.E.Br.

POACEAE

- Ehrharta
 - cf. calycina Sm.
 - villosa Schult.f.

Total named species:	71
Total genera:	53
Total families:	34
Total red data species:	1
Total introduced species:	1

COMMUNITY K7: THICKET ON PARABOLIC DUNES IN NORTH

Division: Anthophyta
Class: Dicotyledones

AIZOACEAE

Tetragonia
fruticosa L.

ANACARDIACEAE

Rhus
crenata Thunb.
glauca Thunb.
laevigata L.f.
lucida L.

APIACEAE

Chamarea
capensis (Thunb.) Eckl. & Zeyh.
Sonderina
caruifolia (Sond.) H.Wolff DD

Torilis
arvensis (Huds.) Link

APOCYNACEAE

Cynanchum
africanum (L.) Hoffmanns.
Microloma
sagittatum (L.) R.Br.

ASTERACEAE

Arctotheca
calendula (L.) Levyns
Chrysanthemoides
incana (Burm.f.) Norl.
monilifera (L.) Norl. subsp. pisifera (L.) Norl.

Cineraria
geifolia (L.) L.

Cotula
turbinata L.

Didelta
carnosa (L.f.) Aiton var. tomentosa

Dimorphotheca
pluvialis (L.) Moench

Gazania
pectinata (Thunb.) Hartweg

Helichrysum
dasyanthum (Willd.) Sweet
niveum (L.) Less.
cf. revolutum (Thunb.) Less.

Metalasia
muricata (L.) D.Don.

Othonna
coronopifolia L.
filicaulis Jacq.

Senecio
cf. arenarius Thunb.
burchellii DC.
elegans L.
littoreus Thunb.
scapiflorus (L'Her.) C.A.Sm.

BORAGINACEAE

Amsinckia
retrorsa Suksd.

BRASSICACEAE

Heliophila
africana (L.) Marais

CAMPANULACEAE

Cyphia
crenata (Thunb.) C.Presl

CARYOPHYLLACEAE

Cerastium
cf. capense Sond.

CELASTRACEAE

Pterocelastrus
tricuspidatus (Lam.) Sond. LC
Putterlickia
pyracantha (L.) Szyszyl.

CRASSULACEAE

Crassula
glomerata P.J.Bergius

EBENACEAE

Euclea
racemosa Murray

EUPHORBIACEAE

Clutia
daphnoides Lam.
Euphorbia
caput-medusae L. subsp. marlothiana N.E.Br. V
mauritanica L.

FABACEAE

Lessertia
cf. excisa DC.
Otholobium
bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

FUMARIACEAE

Cysticapnos
vesicaria (L.) Fedde

GENTIANACEAE

Chironia
baccifera L.

GERANIACEAE

Pelargonium
capitatum (L.) L'Hér.
myrrhifolium (L.) L'Hér.
senecioides L'Hér.

LAMIACEAE

Salvia
africana-lutea L.

MALVACEAE

Hermannia
pinnata L.

MESEMBRYANTHEMACEAE

Carpobrotus
acinaciformis (L.) L.Bolus LC
Jordaniella
dubia (Haw.) H.E.K.Hartmann LC
Ruschia
indecora (L.Bolus) Schwantes EN
macowanii (L.Bolus) Schwantes

NEURADACEAE

Grielum
grandiflorum (L.) Druce

OLEACEAE

Olea
exasperata Jacq.

OROBANCHACEAE

Hyobanche
sanguinea L.

OXALIDACEAE

Oxalis
obtusata Jacq. LC

PLUMBAGINACEAE

Afrolium
perigrinum (P.J.Bergius) Lincz.

POLYGALACEAE

Nylandtia
spinosa (L.) Dumort.

RHAMNACEAE

Phylla
ericoides L.

**COMMUNITY K7: THICKET ON
PARABOLIC DUNES IN NORTH
(contd.)**

RUBIACEAE
 Anthospermum
 prostratum Sond.
 Galium
 tomentosum Thunb.
 RUTACEAE
 Agathosma
 cf. serpyllacea Licht. ex Roem. & Schult. LC
 SANTALACEAE
 Osyris
 compressa (P.J.Bergius) A.DC.
 Thesium
 aggregatum A.W.Hill
 cf. spicatum L.
 SCROPHULARIACEAE
 Diascia
 cf. diffusa Benth.
 Dischisma
 cf. ciliatum (P.J.Bergius) Choisy
 Hebenstretia
 repens Jaroscz
 Hemimeris
 racemosa (Houtt.) Merr. LC
 sabulosa L.f.
 Lyperia
 lychnidea (L.) Druce
 tristis (L.f.) Benth.
 Manulea
 cf. tomentosa (L.) L.
 Nemesia
 affinis Benth.
 Zaluzianskya
 villosa F.W.Schmidt
 SOLANACEAE
 Solanum
 guineense L.
 THYMELAEACEAE
 Passerina
 cf. paleacea Wikstr.
 URTICACEAE
 Didymodoxa
 capensis (L.f.) Friis & Wilmot-Deare
 VISCACEAE
 Viscum
 capense L.f.
 ZYGOPHYLLACEAE
 Roepera
 flexuosum Eckl. & Zeyh.
 morgsana L.

COLCHICACEAE
 Ornithoglossum
 viride (L.f.) Aiton
 CYPERACEAE
 Ficinia
 indica (Lam.) Pfeiffer
 Isolepis
 antarctica (L.) Roem. & Schult.
 marginata (Thunb.) A.Dietr.
 HYACINTHACEAE
 Albuca
 maxima Burm.f.
 IRIDACEAE
 Babiana
 tubulosa (Burm.f.) Ker Gawl. VU
 Ferraria
 cf. crispa Burm.
 Melasphaerula
 ramosa (L.) N.E.Br.
 Romulea
 obscura Klatt
 ORCHIDACEAE
 Corycium
 crispum (Thunb.) Sw.
 Disperis
 villosa (L.f.) Sw.
 Satyrium
 cf. carneum (Dryand.) Sims NT
 POACEAE
 Cladoraphis
 cyperoides (Thunb.) S.M.Phillips
 Ehrharta
 brevifolia Schrad. var. brevifolia
 cf. delicatula (Nees) Stapf
 longiflora J.E.Sm.
 villosa Schult.f. var. villosa
 Pentaschistis
 pallida (Thunb.) H.P.Linder LC
 RESTIONACEAE
 Ischyrolepis
 eleocharis (Nees ex Mast.) H.P.Linder
 Thamnochortus
 spicigerus (Thunb.) Spreng.

Total named species:	108
Total genera:	82
Total families:	46
Total red data species:	4
Total introduced species:	0

Division: Anthophyta
Class: Monocotyledones

AMARYLLIDACEAE
 Haemanthus
 coccineus L.
 ASPARAGACEAE
 Asparagus
 asparagoides (L.) Druce
 capensis L.
 ASPHODELACEAE
 Trachyandra
 ciliata (L.f.) Kunth LC
 divaricata (Jacq.) Kunth
 falcata (L.f.) Kunth

COMMUNITY K8: THICKET ON EASTERN DEFLATED PARABOLIC DUNES

Division: Anthophyta
Class: Dicotyledones

AIZOACEAE

Tetragonia
fruticosa L.

ANACARDIACEAE

Rhus
glauca Thunb.
laevigata L.f.
lucida L.

APIACEAE

Chamarea
capensis (Thunb.) Eckl. & Zeyh.
Sonderina
caruifolia (Sond.) H.Wolff DD
Torilis
arvensis (Huds.) Link

APOCYNACEAE

Cynanchum
africanum (L.) Hoffmanns.
obtusifolium L.f.

Microlooma
sagittatum (L.) R.Br.

ASTERACEAE

Arctotheca
calendula (L.) Levyns
Arctotis
leptorhiza DC.
Chrysanthemoides
incana (Burm.f.) Norl.
Cotula
cf. duckittiae (L.Bolus) Bremer & Humphries VU
Gazania
cf. pectinata (Thunb.) Hartweg
Helichrysum
cf. dasyanthum (Willd.) Sweet
niveum (L.) Less.
Metalasia
muricata (L.) D.Don.
Othonna
coronopifolia L.
filicaulis Jacq.
Senecio
cf. arenarius Thunb.
elegans L.
Steirodiscus
cf. tagetes (L.) Schltr. VU

BRASSICACEAE

Heliophila
africana (L.) Marais
coronopifolia L.
refracta Sond.

CAMPANULACEAE

Cyphia
crenata (Thunb.) C.Presl

CARYOPHYLLACEAE

Silene
undulata Aiton

CELASTRACEAE

Pterocelastrus
tricuspidatus (Lam.) Sond. LC
Putterlickia
pyracantha (L.) Szyszyl.

CRASSULACEAE

Cotyledon
orbiculata L.

Crassula
cf. glomerata P.J.Bergius

EBENACEAE

Euclea
racemosa Murray

EUPHORBIACEAE

Euphorbia
burmannii E.Mey. ex Boiss.
caput-medusae L. subsp. marlothiana N.E.Br. V
mauritanica L.

FABACEAE

Otholobium
bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

FUMARIACEAE

Cysticapnos
vesicaria (L.) Fedde

GENTIANACEAE

Chironia
baccifera L.

GERANIACEAE

Pelargonium
gibbosum (L.) L'Hér.
cf. senecioides L'Hér.

LAMIACEAE

Salvia
africana-lutea L.
Stachys
cf. aethiopica L.

MALVACEAE

Hermannia
pinnata L.

MENISPERMACEAE

Cissampelos
capensis L.f.

MESEMBRYANTHEMACEAE

Carpobrotus
acinaciformis (L.) L.Bolus LC
Jordaaniella
dubia (Haw.) H.E.K.Hartmann LC
Ruschia
macowanii (L.Bolus) Schwantes

MOLLUGINACEAE

Pharnaceum
lanatum Bartl.
microphyllum L.f.

NEURADACEAE

Grielum
grandiflorum (L.) Druce

OLEACEAE

Olea
exasperata Jacq.

OXALIDACEAE

Oxalis
obtusata Jacq. LC

PLUMBAGINACEAE

Afrolimon
perigrinum (P.J.Bergius) Lincz.

POLYGALACEAE

Nylandtia
spinosa (L.) Dumort.

POLYGONACEAE

Emex
australis Steinh.

RHAMNACEAE

Phylla
ericoides L.

RUBIACEAE

Anthospermum
prostratum Sond.

Nuclear 1 EIA and EMP

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COMMUNITY K8: THICKET ON EASTERN DEFLATED PARABOLIC DUNES

Galium
tomentosum Thunb.

SANTALACEAE

Thesium
cf. aggregatum A.W.Hill
virgatum Lam.

SCROPHULARIACEAE

Hebenstretia
repens Jaroscz
Hemimeris
racemosa (Houtt.) Merr. LC
Nemesia
affinis Benth.
Zaluzianskya
villosa F.W.Schmidt

SOLANACEAE

Solanum
cf. africanum Mill. LC
guineense L.

THYMELAEACEAE

Passerina
cf. paleacea Wikstr.

URTICACEAE

Didymodoxa
capensis (L.f.) Friis & Wilmot-Deare

VISCACEAE

Viscum
capense L.f.

ZYGOPHYLLACEAE

Roepera
flexuosum Eckl. & Zeyh.

RESTIONACEAE

Ischyrolepis
eleocharis (Nees ex Mast.) H.P.Linder
Thamnochortus
spicigerus (Thunb.) Spreng.

Total named species: 88

Total genera: 71

Total families: 44

Total red data species: 4

Total introduced species: 1

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

Brunsvigia
orientalis (L.) Aiton ex Eckl.
Haemanthus
coccineus L.
cf. pubescens L.f. subsp. pubescens

ARACEAE

Zantedeschia
aethiopica (L.) Spreng.

ASPARAGACEAE

Asparagus
asparagoides (L.) Druce
capensis L.

ASPHODELACEAE

Trachyandra
ciliata (L.f.) Kunth LC

CYPERACEAE

Ficinia
cf. indica (Lam.) Pfeiffer
Hellmuthia
membranacea (Thunb.) R.Haynes & K.Lye
Isolepis
antarctica (L.) Roem. & Schult.

HYACINTHACEAE

Albuca
maxima Burm.f.
Lachenalia
rubida Jacq.

ORCHIDACEAE

Satyrium
carneum (Dryand.) Sims NT

COMMUNITY K9: CALCRETE

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

Rhus
glauca Thunb.
laevigata L.f.
lucida L.

APIACEAE

Chamarea
capensis (Thunb.) Eckl. & Zeyh.
 Torilis
arvensis (Huds.) Link

APOCYNACEAE

Cynanchum
africanum (L.) Hoffmanns.

ASTERACEAE

Chrysanthemoides
incana (Burm.f.) Norl.
 Cineraria
geifolia (L.) L.
 Helichrysum
cf. dasyanthum (Willd.) Sweet
niveum (L.) Less.
 Othonna
coronopifolia L.
 Senecio
cf. arenarius Thunb.
elegans L.

CAMPANULACEAE

Cyphia
crenata (Thunb.) C.Presl

CUCURBITACEAE

Kedrostis
nana (Lam.) Cogn.

EBENACEAE

Euclea
racemosa Murray

EUPHORBIACEAE

Clusia
daphnoides Lam.
 Euphorbia
caput-medusae L.
mauritanica L.

GENTIANACEAE

Chironia
baccifera L.

LAMIACEAE

Salvia
africana-lutea L.

MESEMBRYANTHEMACEAE

Carpobrotus
acinaciformis (L.) L.Bolus LC
 Jordaaniella
dubia (Haw.) H.E.K.Hartmann LC

OLEACEAE

Olea
exasperata Jacq.

PLUMBAGINACEAE

Afrolimon
perigrinum (P.J.Bergius) Lincz.

RUBIACEAE

Galium
tomentosum Thunb.

RUTACEAE

Agathosma
cf. imbricata (L.) Willd.

SCROPHULARIACEAE

Dischisma
cf. ciliatum (P.J.Bergius) Choisy
 Nemesia
affinis Benth.
 Zaluzianskya
villosa F.W.Schmidt

URTICACEAE

Didymodoxa
capensis (L.f.) Friis & Wilmot-Deare

VISCACEAE

Viscum
capense L.f.

ZYGOPHYLLACEAE

Roepera
flexuosum Eckl. & Zeyh.

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

Haemanthus
coccineus L.

ASPARAGACEAE

Asparagus
cf. asparagoides (L.) Druce
capensis L.

ASPHODELACEAE

Trachyandra
ciliata (L.f.) Kunth LC

CYPERACEAE

Ficinia
indica (Lam.) Pfeiffer
 Isolepis
cf. antarctica (L.) Roem. & Schult.

POACEAE

Pentaschistis
cf. pallida (Thunb.) H.P.Linder LC

RESTIONACEAE

Ischyrolepis
eleocharis (Nees ex Mast.) H.P.Linder
 Thamnochortus
spicigerus (Thunb.) Spreng.

Total named species: 43

Total genera: 37

Total families: 25

Total red data species: 0

Total introduced species: 1

COMMUNITY K10: SAND PLAIN FYNBOS

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE

- Aizoon
 - paniculatum L.
- Tetragonia
 - fruticosa L.

ANACARDIACEAE

- Rhus
 - glauca Thunb.
 - laevigata L.f.
 - lucida L.

APIACEAE

- Torilis
 - arvensis (Huds.) Link

APOCYNACEAE

- Cynanchum
 - cf. africanum (L.) Hoffmanns.

ASTERACEAE

- Arctotis
 - leptorhiza DC.
- Chrysanthemoides
 - incana (Burm.f.) Norl.
- Conyza
 - scabrida DC.
- Cotula
 - cf. duckittiae (L.Bolus) Bremer & Humphries VU
 - turbinata L.
- Disparago
 - ericoides (P.J.Bergius) Gaertn.
- Eriocephalus
 - cf. africanus L.
 - cf. racemosus L.
- Gymnodiscus
 - capillaris (L.f.) DC.
- Helichrysum
 - cf. dasyanthum (Willd.) Sweet
 - cf. patulum (L.) D.Don.
 - revolutum (Thunb.) Less.
- Metalasia
 - muricata (L.) D.Don.
- Nidorella
 - cf. foetida (L.) DC.
- Othonna
 - cf. coronopifolia L.
- Plecostachys
 - serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt
- Pseudognaphalium
 - undulatum (L.) Hilliard & B.L.Burt
- Senecio
 - cf. arenarius Thunb.
 - burchellii DC.
 - elegans L.
 - halimifolius L.
 - cf. hastatus L.
 - littoreus Thunb.
- Seriphium
 - plumosum L.
- Ursinia
 - anthemoides (L.) Poir. subsp. anthemoides

BORAGINACEAE

- Lobostemon
 - glaucophyllus (Jacq.) H.Buek

BRASSICACEAE

- Heliophila
 - coronopifolia L.

CARYOPHYLLACEAE

- Cerastium
 - capense Sond.

CELASTRACEAE

- Putterlickia
 - pyracantha (L.) Szyszyl.

CRASSULACEAE

- Crassula
 - cymosa P.J.Bergius
 - glomerata P.J.Bergius

EBENACEAE

- Euclea
 - racemosa Murray

ERICACEAE

- Erica
 - mammosa L.

EUPHORBIACEAE

- Clutia
 - daphnoides Lam.
- Euphorbia
 - ephedroides E.Mey. ex Boiss.

FABACEAE

- Aspalathus
 - ternata (Thunb.) Druce VU

FUMARIACEAE

- Cysticapnos
 - vesicaria (L.) Fedde

GENTIANACEAE

- Orphium
 - frutescens D.Delaroche

GERANIACEAE

- Pelargonium
 - capitatum (L.) L'Hér.
 - cf. senecioides L'Hér.

LAMIACEAE

- Salvia
 - cf. africana-caerulea L.
 - lanceolata Lam.

MALVACEAE

- Hermannia
 - pinnata L.
 - procumbens Cav. subsp. procumbens CR

MENISPERMACEAE

- Cissampelos
 - capensis L.f.

MESEMBRYANTHEMACEAE

- Carpobrotus
 - acinaciformis (L.) L.Bolus LC
 - edulis (L.) L.Bolus
- Conicosia
 - pugioniformis (L.) N.E.Br. subsp. pugioniformis

- Dorotheanthus
 - bellidiformis (Burm.f.) N.E.Br. subsp. bellidiformis LC

- Lampranthus
 - explanatus (L.Bolus) N.E.Br. EN

- Ruschia
 - indecora (L.Bolus) Schwantes EN
 - miseria (L.Bolus) L.Bolus

MOLLUGINACEAE

- Adenogramma
 - cf. glomerata (L.f.) Druce

NEURADACEAE

- Grielum
 - cf. grandiflorum (L.) Druce

OLEACEAE

- Olea
 - exasperata Jacq.

OROBANCHACEAE

- Harveya
 - squamosa (Thunb.) Steud. LC

COMMUNITY K10: SAND PLAIN FYNBOS (contd.)

OXALIDACEAE
Oxalis
 luteola Jacq.
 obtusa Jacq. LC
 polyphylla Jacq.

PLANTAGINACEAE
Plantago
 crassifolia Forssk.

PLUMBAGINACEAE
Afromilon
 cf. *purpuratum* (L.) Lincz. CR

POLYGALACEAE
Nylandtia
 spinosa (L.) Dumort.

Polygala
 garcinii DC.

POLYGONACEAE
Rumex
 cordatus Poir.
 latisvalvis Meisn.

PROTEACEAE
Leucadendron
 levisanus (L.) P.J.Bergius CR
Leucospermum
 hypophyllocarpodendron (L.) Druce subsp.
canaliculatum (H.Buek.) ex Meisn.) Rourke VU
Serruria
 cf. *decipiens* R.Br. VU

RHAMNACEAE
Phylla
 cephalantha Sond.
Trichocephalus
 stipularis (L.) Brongn.

ROSACEAE
Cliffortia
 falcata L.f.

RUBIACEAE
Anthospermum
 prostratum Sond.
 spathulatum Spreng. subsp. *spathulatum*

Galium
 tomentosum Thunb.

RUTACEAE
Diosma
 aspalathoides Lam. NT
 cf. *dichotoma* P.J.Bergius VU
 cf. *hirsuta* L.

SCROPHULARIACEAE
Diascia
 cf. *diffusa* Benth.

Dischisma
 ciliatum (P.J.Bergius) Choisy

Hebenstretia
 robusta E.Mey.

Hemimeris
 racemosa (Houtt.) Merr. LC

Lyperia
 tristis (L.f.) Benth.

Nemesia
 affinis Benth.
 strumosa (Herb. Banks ex Benth.) Benth. NT

Phyllopodium
 heterophyllum (L.f.) Benth. LC

Polycarena
 capensis (L.) Benth. NT

SOLANACEAE
Lycium
 cf. *afrum* L.
Solanum
 cf. *guineense* L.

THYMELAEACEAE
Passerina
 corymbosa Eckl. ex C.H.Wright

VISCACEAE
Viscum
 capense L.f.

Division: Anthophyta
Class: Monocotyledones

AMARYLLIDACEAE
Ammocharis
 longifolia (L.) M.Roem. LC
Haemanthus
 pubescens L.f. subsp. *pubescens*

ARACEAE
Zantedeschia
 aethiopica (L.) Spreng.

ASPARAGACEAE
Asparagus
 asparagoides (L.) Druce
 capensis L.
 lignosus Burm.f.

ASPHODELACEAE
Trachyandra
 ciliata (L.f.) Kunth LC
 divaricata (Jacq.) Kunth

CYPERACEAE
Cyperus
 textilis Thunb.

Ficinia
 dunensis Levyns
 indica (Lam.) Pfeiffer
 nodosa (Rottb.) Goetgh.
 secunda (Vahl) Kunth

Isolepis
 antarctica (L.) Roem. & Schult.

Scirpoides
 thunbergii (Schrad.) Soják

HYACINTHACEAE
Albuca
 flaccida Jacq.

Drimia
 fragrans (Jacq.) J.C.Manning & Goldblatt

Lachenalia
 rubida Jacq.
 variegata W.F.Barker

IRIDACEAE
Babiana
 tubulosa (Burm.f.) Ker Gawl. VU

Moraea
 tripetala (L.f.) Ker Gawl.

Romulea
 obscura Klatt

Watsonia
 meriana (L.) Mill.

JUNCACEAE
Juncus
 kraussii Hochst. subsp. *kraussii* LC

ORCHIDACEAE
Disa
 draconis (L.f.) Sw. EN

Disperis
 villosa (L.f.) Sw.

POACEAE
Cynodon
 dactylon (L.) Pers.

COMMUNITY K10: SAND PLAIN FYNBOS (contd.)

Ehrharta
calycina Sm.
villosa Schult.f. var. villosa
Stipagrostis
cf. zeyheri (Nees) De Winter

Tribolium
uniolae (L.f.) Renvoize
RESTIONACEAE
Calopsis
viminea (Rottb.) H.P.Linder
Elegia
microcarpa (Kunth) Pillans
Thamnochortus
erectus (Thunb.) Mast.
obtusus Pillans
Willdenowia
incurvata (Thunb.) H.P.Linder
cf. sulcata Mast.

Total named species:	134
Total genera:	100
Total families:	50
Total red data species:	15
Total introduced species:	0

COMMUNITY K11: BRACK WETLAND IN SOUTH

Division: Anthophyta

Class: Dicotyledones

AMARANTHACEAE

Sarcocornia
pillansii (Moss) A.J.Scott

ASTERACEAE

Chrysanthemoides
incana (Burm.f.) Norl.
Cotula
coronopifolia L.
filifolia Thunb. CR
Nidorella
cf. foetida (L.) DC.
Plecostachys
serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt
Senecio
elegans L.
halimifolius L.
littoreus Thunb.
maritimus L.

CRASSULACEAE

Crassula
cf. glomerata P.J.Bergius
natans Thunb. var. natans
thunbergiana Schult. subsp. thunbergiana

FABACEAE

Psoralea
repens L. NT

GENTIANACEAE

Orphium
frutescens D.Delaroche
Sebaea
aurea (L.f.) Sm.

GERANIACEAE

Pelargonium
capitatum (L.) L'Hér.

MESEMBRYANTHEMACEAE

Carpobrotus
acinaciformis (L.) L.Bolus LC

PLANTAGINACEAE

Plantago
crassifolia Forssk.

PLUMBAGINACEAE

Limonium
cf. billardieri (Girard) Kuntze

POLYGONACEAE

Rumex
lativalvis Meisn.

SANTALACEAE

Thesium
cf. spicatum L.

IRIDACEAE

Romulea
tabularis Eckl. ex Beg.

JUNCAGINACEAE

Triglochin
bulbosa L.

POACEAE

Phragmites
australis (Cav.) Trin. ex Steud.
Sporobolus
virginicus (L.) Kunth

TYPHACEAE

Typha
capensis (Rohrb.) N.E.Br.

Total named species:	32
Total genera:	26
Total families:	17
Total red data species:	2
Total introduced species:	1

Division: Anthophyta

Class: Monocotyledones

ASPHODELACEAE

Trachyandra
divaricata (Jacq.) Kunth

CYPERACEAE

Bolboschoenus
maritimus (L.) Palla

Ficinia

nodosa (Rottb.) Goetgh.

Isolepis

cernua (Vahl) Roem. & Schult.

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APPENDIX 4.1.2. PLANT SPECIES RECORDED FROM DUYNEFONTEIN – COMPOSITE LIST

NT: Near Threatened; R: Rare, VU: vulnerable EN: Endangered, CR: Critically Endangered

LC: Least Concern; DD: Data Deficient; De: Declining

Report produced by the SaSFLORA database: data (C) Coastec; database design and structures (C) Reuben Roberts

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE

- Aizoon
 - paniculatum L.
- Galenia
 - africana L.
 - pubescens (Eckl. & Zeyh.) Druce var. pallens
- Tetragonia
 - decumbens Mill.
 - fruticosa L.
 - spicata L.f.

AMARANTHACEAE

- Bassia
 - diffusa (Thunb.) Kuntze
- Exomis
 - microphylla (Thunb.) Aellen var. axyrioides
- Manochlamys
 - albicans (Aiton) Aellen
- Sarcocornia
 - natalensis (Bunge ex Ung.-Sternb.) A.J.Scott
 - pillansii (Moss) A.J.Scott

ANACARDIACEAE

- Rhus
 - crenata Thunb.
 - glauca Thunb.
 - laevigata L.f.
 - lucida L.

APIACEAE

- Capnophyllum
 - africanum (L.) Gaertn. NT
- Chamarea
 - capensis (Thunb.) Eckl. & Zeyh.
- Dasispermum
 - suffruticosum (P.J.Bergius) B.L.Burtt
- Peucedanum
 - typicum (Eckl. & Zeyh.) B.L.Burtt
- Sonderina
 - caruifolia (Sond.) H.Wolff DD
- Torilis
 - arvensis (Huds.) Link

APOCYNACEAE

- Cynanchum
 - africanum (L.) Hoffmanns.
 - obtusifolium L.f.
- Microloma
 - sagittatum (L.) R.Br.

ASTERACEAE

- Amellus
 - tenuifolius Burm.
- Arctotheca
 - calendula (L.) Levyns
 - populifolia (P.J.Bergius) Norl.
- Arctotis
 - hirsuta (Harv.) Beauv. LC
 - leptorhiza DC.
 - stoechadifolia P.J.Bergius LC
- Chrysanthemoides
 - incana (Burm.f.) Norl.
 - monilifera (L.) Norl. subsp. pisifera (L.) Norl.
- Cineraria
 - geifolia (L.) L.
- Conyza
 - scabrida DC.
- Cotula
 - coronopifolia L.
 - duckittiae (L.Bolus) Bremer & Humphries VU
 - filifolia Thunb. CR
 - turbinata L.

- Dicerotheramnus
 - rhinocerotis (DC.) Koekemoer
 - Didelta
 - carcosa (L.f.) Aiton var. tomentosa
 - Dimorphotheca
 - pluvialis (L.) Moench
 - Disparago
 - anomala Schltr. ex Levyns
 - ericoides (P.J.Bergius) Gaertn.
 - Eriocephalus
 - africanus L.
 - racemosus L.
 - Felicia
 - heterophylla (Cass.) Grau
 - Gazania
 - maritima Levyns
 - pectinata (Thunb.) Hartweg
 - Gymnodiscus
 - capillaris (L.f.) DC.
 - Helichrysum
 - cochleariforme DC. NT
 - crispum (L.) D.Don.
 - dasyanthum (Willd.) Sweet
 - micropoides DC. LC
 - niveum (L.) Less.
 - patulum (L.) D.Don.
 - revolutum (Thunb.) Less.
 - Lachnospermum
 - imbricatum (P.J.Bergius) Hilliard
 - Metalasia
 - densa (Lam.) Karis
 - muricata (L.) D.Don.
 - Nidorella
 - foetida (L.) DC.
 - Oncosiphon
 - suffruticosum (L.f.) Kallersjö
 - Othonna
 - coronopifolia L.
 - filicaulis Jacq.
 - Plecostachys
 - serpyllifolia (P.J.Bergius) Hilliard & B.L.Burtt
 - Pseudognaphalium
 - undulatum (L.) Hilliard & B.L.Burtt
 - Senecio
 - arenarius Thunb.
 - burchellii DC.
 - elegans L.
 - glutinosus Thunb.
 - halimifolius L.
 - hastatus L.
 - littoreus Thunb.
 - maritimus L.
 - scapiflorus (L'Her.) C.A.Sm.
 - Seriphium
 - cinereum L.
 - plumosum L.
 - Steirodiscus
 - tagetes (L.) Schltr. VU
 - Trichogyne
 - repens (L.) Anderb.
 - Tripteris
 - dentata (Burm.f.) O.Hoffm.
 - Ursinia
 - anthemoides (L.) Poir. subsp. anthemoides
- BORAGINACEAE**
- Amsinckia
 - retrorsa Suksd.
 - Lobostemon
 - glaucophyllus (Jacq.) H.Buek

BRASSICACEAE
Heliophila
africana (L.) Marais
coronopifolia L.
linearis (Thunb.) DC. var. linearifolia
refracta Sond.
Lepidium
africanum (Burm.f.) DC.
CAMPANULACEAE
Cyphia
crenata (Thunb.) C.Presl
Lobelia
erinus L. LC
Wahlenbergia
adpressa (Thunb.) Sond.
tenella (L.f.) Lammers
CARYOPHYLLACEAE
Cerastium
capense Sond.
Silene
undulata Aiton
CELASTRACEAE
Gymnosporia
buxifolia (L.) Szyszyl.
Pterocelastrus
tricuspidatus (Lam.) Sond. LC
Putterlickia
pyracantha (L.) Szyszyl.
CRASSULACEAE
Cotyledon
orbiculata L.
Crassula
cymosa P.J.Bergius
dichotoma L.
glomerata P.J.Bergius
muscosa L.
natans Thunb. var. natans
subulata L.
thunbergiana Schult. subsp. thunbergiana
tomentosa Thunb.
Tylecodon
grandiflorus (Burm.f.) Toelken
paniculatus (L.f.) Toelken
CUCURBITACEAE
Kedrostis
nana (Lam.) Cogn.
EBENACEAE
Euclea
racemosa Murray
ERICACEAE
Erica
mammosa L.
plumosa Thunb. LC
EUPHORBIACEAE
Clusia
daphnoides Lam.
Euphorbia
burmannii E.Mey. ex Boiss.
caput-medusae L. subsp. marlothiana N.E.Br. V
mauritanica L.
FABACEAE
Amphithalea
ericifolia (L.) Eckl. & Zeyh.
Argyrolobium
lunare (L.) Druce
Aspalathus
albans L. VU
divaricata Thunb.
hispida Thunb.
spinescens Thunb subsp. spinescens
ternata (Thunb.) Druce VU
Indigofera
heterophylla Thunb.
meyeriana Eckl. & Zeyh.
procumbens L.
Lebeckia
spinescens Harv.
Lessertia
excisa DC.
frutescens (L.) Goldblatt & J.C.Manning
Otholobium
bracteolatum (Eckl. & Zeyh.) C.H.Stirt.
Psoralea
repens L. NT
FUMARIACEAE
Cysticapnos
vesicaria (L.) Fedde
GENTIANACEAE
Chironia
baccifera L.
Orphium
frutescens D.Delaroche
Sebaea
albans (L.f.) Sm.
aurea (L.f.) Sm.
GERANIACEAE
Pelargonium
capitatum (L.) L'Hér.
gibbosum (L.) L'Hér.
myrrhifolium (L.) L'Hér.
senecioides L'Hér.
triste (L.) L'Hér.
LAMIACEAE
Leonotis
leonurus (L.) R.Br.
Salvia
africana-caerulea L.
africana-lutea L.
lanceolata Lam.
Stachys
aethiopica L.
MALVACEAE
Hermannia
multiflora Jacq.
pinnata L.
procumbens Cav. subsp. procumbens CR
MENISPERMACEAE
Cissampelos
capensis L.f.
MESEMBRYANTHEMACEAE
Amphibolia
laevis (Aiton) H.E.K.Hartmann LC
Carpobrotus
acinaciformis (L.) L.Bolus LC
edulis (L.) L.Bolus
Conicosia
pugioniformis (L.) N.E.Br. subsp. pugioniformis
Dorotheanthus
apetalus (L.f.) N.E.Br. VU
bellidiformis (Burm.f.) N.E.Br. subsp. bellidiformis LC
Jordaaniella
dubia (Haw.) H.E.K.Hartmann LC
Lampranthus
explanatus (L.Bolus) N.E.Br. EN
multiradiatus (Jacq.) N.E.Br.
Mesembryanthemum
canaliculatum Haw.
crystallinum L.
Ruschia
caroli (L.Bolus) Schwantes
indecora (L.Bolus) Schwantes EN
macowanii (L.Bolus) Schwantes
misera (L.Bolus) L.Bolus
MOLLUGINACEAE
Adenogramma
glomerata (L.f.) Druce
Pharnaceum
incanum L.
lanatum Bartl.
microphyllum L.f.

MYRICACEAE
 Morella
 cordifolia (L.) Killick
 quercifolia (L.) Killick
 NEURADACEAE
 Grielum
 grandiflorum (L.) Druce
 OLEACEAE
 Olea
 exasperata Jacq.
 ONAGRACEAE
 Epilobium
 hirsutum L.
 OROBANCHACEAE
 Harveya
 squamosa (Thunb.) Steud. LC
 Hyobanche
 sanguinea L.
 OXALIDACEAE
 Oxalis
 hirta L.
 luteola Jacq.
 obtusata Jacq. LC
 pes-caprae L.
 polyphylla Jacq.
 purpurea L.
 versicolor L.
 PLANTAGINACEAE
 Plantago
 crassifolia Forssk.
 PLUMBAGINACEAE
 Afrolimon
 perigrinum (P.J.Bergius) Lincz.
 purpuratum (L.) Lincz. CR
 Limonium
 billardieri (Girard) Kuntze
 equisetinum (Boiss.) R.A.Dyer
 scabrum (Thunb.) Kuntze
 POLYGALACEAE
 Nylandtia
 spinosa (L.) Dumort.
 Polygala
 garcinii DC.
 POLYGONACEAE
 Emex
 australis Steinh.
 Rumex
 cordatus Poir.
 lativalvis Meisn.
 sagittatus Thunb.
 PROTEACEAE
 Leucadendron
 levisanus (L.) P.J.Bergius CR
 salignum P.J.Bergius LC
 Leucospermum
 hypophyllocarpodendron (L.) Druce subsp.
 canaliculatum (H.Buek.) ex Meisn.) Rourke VU
 Protea
 repens (L.) L. LC
 Serruria
 decipiens R.Br. VU
 fasciflora Salisb. ex Knight NT
 RHAMNACEAE
 Phytolacca
 cephalantha Sond.
 ericoides L.
 harveyi (Arn.) Pillans VU
 plumosa L.
 Trichocephalus
 stipularis (L.) Brongn.
 ROSACEAE
 Cliffortia
 falcata L.f.
 juniperina L.f.
 polygonifolia L. var. polygonifolia
 RUBIACEAE
 Anthospermum
 aethiopicum L.
 prostratum Sond.
 spathulatum Spreng. subsp. spathulatum
 Galium
 tomentosum Thunb.
 RUTACEAE
 Agathosma
 imbricata (L.) Willd.
 serpyllacea Licht. ex Roem. & Schult. LC
 Diosma
 aspalathoides Lam. NT
 dichotoma P.J.Bergius VU
 hirsuta L.
 oppositifolia L.
 SANTALACEAE
 Osyris
 compressa (P.J.Bergius) A.DC.
 Thesidium
 fragile (Thunb.) Sond.
 Thesium
 aggregatum A.W.Hill
 frisea L.
 pubescens DC.
 scabrum L.
 spicatum L.
 strictum P.J. Bergius
 virgatum Lam.
 SCROPHULARIACEAE
 Diascia
 diffusa Benth.
 Dischisma
 ciliatum (P.J.Bergius) Choisy subsp. ciliatum
 Hebenstretia
 dentata L.
 repens Jarosc.
 robusta E.Mey.
 Hemimeris
 racemosa (Houtt.) Merr. LC
 sabulosa L.f.
 Lyperia
 lychnidea (L.) Druce
 tristis (L.f.) Benth.
 Manulea
 rubra L.f. LC
 thyrsiflora L.f.
 tomentosa (L.) L.
 Nemesia
 affinis Benth.
 bicornis (L.) Pers.
 strumosa (Herb. Banks ex Benth.) Benth. NT
 Oftia
 africana (L.) Bocq.
 Phyllopodium
 cephalophorum (Thunb.) Hilliard
 heterophyllum (L.f.) Benth. LC
 phyllopodiodioides (Schltr.) Hilliard
 Polycarena
 capensis (L.) Benth. NT
 Zaluzianskya
 villosa F.W.Schmidt
 SOLANACEAE
 Lycium
 afrum L.
 ferocissimum Miers
 Solanum
 africanum Mill. LC
 guineense L.
 nigrum L.
 THYMELAEACEAE
 Lachnaea
 grandiflora (L.f.) Baill. VU
 uniflora (L.) Beyers VU

Passerina
 corymbosa Eckl. ex C.H.Wright
 ericoides L. VU
 paleacea Wikstr.
 rigida Wikstr.
 Struthiola
 leptantha Bolus
 URTICACEAE
 Didymodoxa
 capensis (L.f.) Friis & Wilmot-Deare
 VISCACEAE
 Viscum
 capense L.f.
 ZYGOPHYLLACEAE
 Roepera
 flexuosum Eckl. & Zeyh.
 fulva L.
 morgsana L.

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE
 Ammocharis
 longifolia (L.) M.Roem. LC
 Brunsvigia
 orientalis (L.) Aiton ex Eckl.
 Crossyne
 guttata (L.) D. & U.Mull.-Doblies
 Gethyllis
 ciliaris (Thunb.) Thunb.
 Haemanthus
 coccineus L.
 pubescens L.f. subsp. pubescens
 ANTHERICACEAE
 Chlorophytum
 triflorum (Aiton) Kunth
 APONOGETONACEAE
 Aponogeton
 angustifolius Aiton VU
 ARACEAE
 Zantedeschia
 aethiopica (L.) Spreng.
 ASPARAGACEAE
 Asparagus
 aethiopicus L.
 asparagoides (L.) Druce
 capensis L.
 declinatus L.
 lignosus Burm.f.
 rubicundus P.J.Bergius
 ASPHODELACEAE
 Bulbine
 annua (L.) Willd.
 Trachyandra
 ciliata (L.f.) Kunth LC
 divaricata (Jacq.) Kunth
 falcata (L.f.) Kunth
 muricata (L.f.) Kunth
 revoluta (L.) Kunth
 sabulosa (Adamson) Oberm.
 COLCHICACEAE
 Ornithoglossum
 viride (L.f.) Aiton
 CYPERACEAE
 Bolboschoenus
 maritimus (L.) Palla
 Cyperus
 textilis Thunb.

Ficinia
 argyropa Nees
 bulbosa (L.) Nees
 capitella (Thunb.) Nees
 dunensis Levyns
 indica (Lam.) Pfeiffer
 lateralis (Vahl) Kunth
 nodosa (Rottb.) Goetgh.
 oligantha (Steud.) J.Raynal
 pygmaea Boeck. NT
 secunda (Vahl) Kunth
 Hellmuthia
 membranacea (Thunb.) R.Haynes & K.Lye
 Isolepis
 antarctica (L.) Roem. & Schult.
 cernua (Vahl) Roem. & Schult.
 marginata (Thunb.) A.Dietr.
 rubicunda Kunth
 venustula Kunth VU
 Scirpoides
 thunbergii (Schrad.) Soják
 HAEMODORACEAE
 Wachendorfia
 multiflora (Klatt) J.C. Manning and Goldblatt
 paniculata Burm.
 HEMEROCALLIDACEAE
 Caesia
 contorta (L.f.) T.Durand & Schinz
 HYACINTHACEAE
 Albuca
 flaccida Jacq.
 maxima Burm.f.
 Drimia
 fragrans (Jacq.) J.C.Manning & Goldblatt
 Lachenalia
 bulbifera (Cyrillo) Engl.
 rubida Jacq.
 variegata W.F.Barker
 IRIDACEAE
 Aristea
 africana (L.) Hoffmanns.
 dichotoma (Thunb.) Ker-Gawl.
 Babiana
 ringens (L.) Ker Gawl.
 tubulosa (Burm.f.) Ker Gawl. var. tubulosa VU
 Ferraria
 crispa Burm. subsp. crispa LC
 Gladiolus
 carinatus Aiton
 cunonioides (L.) Gaertn.
 Lapeirousia
 anceps (L.f.) Ker Gawl.
 Melasphaerula
 ramosa (L.) N.E.Br.
 Moraea
 fugax (D.Delaroche) Jacq.
 tripetala (L.f.) Ker Gawl.
 Romulea
 obscura Klatt
 rosea (L.) Eckl.
 tabularis Eckl. ex Beg.
 Watsonia
 meriana (L.) Mill.
 JUNCACEAE
 Juncus
 kraussii Hochst. subsp. kraussii LC
 JUNCAGINACEAE
 Triglochin
 bulbosa L.
 ORCHIDACEAE
 Corycium
 crispum (Thunb.) Sw.
 orobanchoides (L.f.) Sw. LC
 Disa
 draconis (L.f.) Sw. EN

Disperis
 villosa (L.f.) Sw.
 Satyrium
 carneum (Dryand.) Sims NT
POACEAE
 Aristida
 junciformis Trin. & Rupr.
 Cladoraphis
 cyperoides (Thunb.) S.M.Phillips
 Cynodon
 dactylon (L.) Pers.

 Ehrharta
 brevifolia Schrad. var. brevifolia
 calycina Sm.
 delicatula (Nees) Stapf
 erecta Lam.
 longiflora J.E.Sm.
 villosa Schult.f. var. villosa
 Imperata
 cylindrica (L.) Raeuschel
 Pentaschistis
 barbata (Nees) H.P.Linder subsp. barbata
 pallida (Thunb.) H.P.Linder LC
 Phragmites
 australis (Cav.) Trin. ex Steud.
 Sporobolus
 virginicus (L.) Kunth
 Stipagrostis
 zeyheri (Nees) De Winter
 Tribolium
 hispidum (Thunb.) Desv.
 uniolae (L.f.) Renvoize
RESTIONACEAE
 Calopsis
 fruticosa (Mast.) H.P.Linder
 viminea (Rottb.) H.P.Linder
 Elegia
 coleura Nees ex Mast.
 microcarpa (Kunth) Pillans
 nuda (Rottb.) Kunth
 recta (Mast.) Moline & H P Linder NT
 tectorum (L.f.) Raf.
 Ischyrolepis
 capensis (L.) H.P.Linder
 eleocharis (Nees ex Mast.) H.P.Linder
 Thamnochortus
 erectus (Thunb.) Mast.
 obtusus Pillans
 punctatus Pillans De
 spicigerus (Thunb.) Spreng.
 Willdenowia
 arescens Kunth
 incurvata (Thunb.) H.P.Linder
 sulcata Mast.
 teres Thunb.
TECOPHILAEACEAE
 Cyanella
 hyacinthoides L.
TYPHACEAE
 Typha
 capensis (Rohrb.) N.E.Br.

Total named species: 408
Total genera: 215
Total families: 66
Total red data species: 37
Total introduced species: 13

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
AIZOACEAE	<i>Aizoon paniculatum</i> L.	pienspekvygie	Bokkeveld Mts to Cape Peninsula	No change; coastal sands						
AIZOACEAE	<i>Galenia africana</i> L.	geelbos, geelbrakbos, kraalbos, muisbos, waterpensbos	Namaqualand to Uniondale, Karoo and E Cape	No change, dry flats and lower slopes, often on disturbed ground						
AIZOACEAE	<i>Tetragonia decumbens</i> Mill.	kinkelbossie	S Namibia to E Cape	No change; coastal dunes						
AIZOACEAE	<i>Tetragonia fruticosa</i> L.	kinkelbossie, kinkelklappers, kleinsaadklaapiesbrak, klimopkinkelbossie, porslein, slaabos	Namaqualand to Clanwilliam to Port Elizabeth	Southern extension of distribution, granite and sandstone slopes especially along the coast						1
AIZOACEAE	<i>Tetragonia spicata</i> L.f.		Namaqualand and Karoo to Grahamstown	Southern extension of distribution, granite and sandy slopes						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
AMARANTHACEAE	<i>Bassia diffusa</i> (Thunb.) Kuntze	soutbossie	KZN, NC, WC, EC	No change						
AMARANTHACEAE	<i>Exomis microphylla</i> (Thunb.) Aellen var. <i>axyrioides</i>	brakbossie, hondebossie	Southern Namibia to Uitenhage	No change; stony hillsides, often coastal sands						
AMARANTHACEAE	<i>Manochlamys albicans</i> (Aiton) Aellen	hondebossie, spanspekbos	S Namibia and W Karoo to Cape Peninsula and Little Karoo	No change, dry stony slopes and flats						
AMARANTHACEAE	<i>Sarcocornia natalensis</i> (Bunge ex Ung.-Sternb.) A.J.Scott	seekoraal	Angola to Mozambique, Madagascar	No change; coastal and inland saline habitats						
AMARANTHACEAE	<i>Sarcocornia pillansii</i> (Moss) A.J.Scott	brakbos, kleinlidjiesbos	S Namibia to Mozambique	No change; inland and coastal saline marshes						
ANACARDIACEAE	<i>Rhus crenata</i> Thunb.	(dune) crow-berry, duinekraaibessie, rosytjiesbos	Cape Peninsula to S KwaZulu-Natal	Northern extension of distribution, sandy coastal flats						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ANACARDIACEAE	<i>Rhus glauca</i> Thunb.	bloukoeniebos, blue kuni-bush, taaiblaar	Velddrif to Kentani	No change, mostly on dunes						
ANACARDIACEAE	<i>Rhus laevigata</i> L.f.	duinetaaibos, dune taaibos, koerentebos, ranktaaibos, taaibos, umhlakothi	Lamberts Bay to East London	No change, coastal flats and slopes						
ANACARDIACEAE	<i>Rhus lucida</i> L.	besembos, blinktaaibos, wild currant	Citrusdal to Zimbabwe	No change, sandy flats and slopes						
APIACEAE	<i>Capnophyllum africanum</i> (L.) Gaertn.		Saldanha to Gansbaai	No change; sand dunes						
APIACEAE	<i>Chamarea capensis</i> (Thunb.) Eckl. & Zeyh.	Cape caraway, finkelwortel	Cape Peninsula to Karoo and E Cape	No change, sandstone slopes						
APIACEAE	<i>Dasispermum suffruticosum</i> (P.J.Bergius) B.L.Burt	duineseldery	S Namaqualand to KwaZulu-Natal	No change, coastal dunes endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
APIACEAE	<i>Peucedanum typicum</i> (Eckl. & Zeyh.) B.L.Burt	hondewortel	Uitenhage	Major range extension to West Coast; coastal scrub in sands, local endemic				1		1
APIACEAE	<i>Sonderina caruifolia</i> (Sond.) H.Wolff		Lambert's Bay to Cape Peninsula	No change; West Coast endemic ; restricted to sandy flats		1				
APIACEAE	<i>Torilis arvensis</i> (Huds.) Link	hedge parsley, wildewortel	Bokkeveld Mts to Cape Peninsula, W Karoo and E Cape to Europe	No change, flats and rocky slopes						
APOCYNACEAE	<i>Cynanchum africanum</i> (L.) Hoffmanns.	bobbejaantou, bokhoring, klimop, monkey rope	Namaqualand to Cape Peninsula to Eastern Cape	No change, sandy, coastal soils						
APOCYNACEAE	<i>Cynanchum obtusifolium</i> L.f.	melktou, monkey rope	Cape Peninsula to Mozambique	No change, coastal bush						
APOCYNACEAE	<i>Microlooma sagittatum</i> (L.) R.Br.	bokhoring, bokmaellie, heuningblommetjie	Namaqualand to Willowmore	Southern extension of distribution, stony slopes to sandy flats						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Amellus tenuifolius</i> Burm.	grysastertjie	S Namibia to Villiersdorp	South western range extension, sandy flats near coast						1
ASTERACEAE	<i>Arctotheca calendula</i> (L.) Levyns	Cape weed, gousblom	Namaqualand and Karoo to Cape Peninsula and Humansdorp	No change, coastal areas or disturbed soil						
ASTERACEAE	<i>Arctotheca populifolia</i> (P.J.Bergius) Norl.	sea pumpkin, seepampoen	Saldanha to Mozambique	No change; Coastal dunes endemic					1	
ASTERACEAE	<i>Arctotis hirsuta</i> (Harv.) Beauv.	gousblom	Elandsbaai to Potberg	No change, sandy slopes and flats, usually coastal, Cape endemic					1	
ASTERACEAE	<i>Arctotis leptorhiza</i> DC.		Nardouwsberg to Mamre	No change, rocky sandstone slopes, endemic					1	
ASTERACEAE	<i>Arctotis stoechadifolia</i> P.J.Bergius	kusgousblom, witgousblom	Yzerfontein to Cape Peninsula	No change, endemic to SW coastal flats		1				

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Chrysanthemoides incana</i> (Burm.f.) Norl.	bietou, grysbietou, sandbietou	Namibia and Karoo to Bredasdorp	No change, coastal dunes or sandy inland slopes						
ASTERACEAE	<i>Chrysanthemoides monilifera</i> (L.) Norl. subsp. <i>pisifera</i> (L.) Norl.	bietou, boetabessie, bosluisbessie, brother berry	Namaqualand to tropical Africa	Southern extension of distribution, sandstone and limestone slopes and flats						1
ASTERACEAE	<i>Cineraria geifolia</i> (L.) L.		Cape Peninsula to S KwaZulu-Natal	No change, coastal bush						
ASTERACEAE	<i>Conyza scabrida</i> DC.	bakbesembossie, oondbos, ovenbush	Clanwilliam to Zimbabwe	Southern range extension, normally occurs on sandstone slopes or forest margins, often near streams						1
ASTERACEAE	<i>Cotula coronopifolia</i> L.	eendekos, eendjiesgras, eendjieskweek, gansgras, gansgies	Namaqualand to Mpumalanga, Australia	No change, seasonally wet areas and coastal sands and clays						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Cotula duckittiae</i> (L.Bolus) Bremer & Humphries	buttons, ganskos	Yzerfontein to Bokbaai	No change; sandy coastal slopes, south west coastal endemic				1		
ASTERACEAE	<i>Cotula filifolia</i> Thunb.		Darling to Agulhas	No change, coastal endemic , on marshy ground					1	
ASTERACEAE	<i>Cotula turbinata</i> L.	batchelor buttons, ganskos	N Cedarberg Mts to Potberg	No change, sandy or disturbed areas, Cape endemic					1	
ASTERACEAE	<i>Dicrothamnus rhinocerotis</i> (DC.) Koekemoer	renosterbos		No change, dry shale and sandstone slopes and flats						
ASTERACEAE	<i>Didelta carnosus</i> (L.f.) Aiton var. <i>tomentosa</i>	kusslaaibos, perdeblom, seegousblom	S Namibia to Cape Peninsula	No change, coastal dunes and sandy flats						
ASTERACEAE	<i>Dimorphotheca pluvialis</i> (L.) Moench	Cape (rain) daisy, ox-eye daisy, reënblommetjie, witbotterblom	S Namibia to Gouritsmond	No change, sandy and clay flats and slopes						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Disparago anomala</i> Schltr. ex Levyns		Cape Peninsula to Potberg	No change; Coastal dunes and limestone endemic					1	
ASTERACEAE	<i>Disparago ericoides</i> (P.J.Bergius) Gaertn.		Darling to Matroosberg and Gouritsmond	No change, Cape endemic , sandstone slopes					1	
ASTERACEAE	<i>Eriocephalus africanus</i> L.	kapkobbossie, roosmaryn, wild rosemary, wilderoosmaryn	S Namaqualand to Port Elizabeth and E Cape	South western extension of distribution, clay or granite hillsides						1
ASTERACEAE	<i>Eriocephalus racemosus</i> L.	kapkoppie, kapkobbos, roosmaryn, wilderoosmaryn	S Namaqualand to Humansdorp	No change, coastal dunes and hills						
ASTERACEAE	<i>Felicia heterophylla</i> (Cass.) Grau	bloublomastertjie	Clanwilliam to Cape Peninsula	No change, sandy flats and slopes, Cape endemic						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Gazania maritima</i> Levyns		Elandsbaai to Cape Hangklip	No change, coastal sands and rock, coastal endemic					1	
ASTERACEAE	<i>Gazania pectinata</i> (Thunb.) Hartweg	Kaapserooigousbloom	Saldanha to Potberg	No change, coastal flats endemic					1	
ASTERACEAE	<i>Gymnodiscus capillaris</i> (L.f.) DC.	geelkruid	Namaqualand to Mossel Bay and W Karoo	Southern extension of distribution, sandy flats and lower slopes						1
ASTERACEAE	<i>Helichrysum cochleariforme</i> DC.	duineteebossie, gold-and-silver	Aurora to Gouriqua	No change, coastal dunes endemic					1	
ASTERACEAE	<i>Helichrysum crispum</i> (L.) D.Don.	Hottentotskooigoe d, kooigoed	Bloubergstrand to George	No change, coastal dunes endemic					1	
ASTERACEAE	<i>Helichrysum dasyanthum</i> (Willd.) Sweet	kooigoed	Namaqualand to Baviaanskloof Mts	South western extension of distribution, sandy flats and slopes						1
ASTERACEAE	<i>Helichrysum micropoides</i> DC.		S Namibia and W Karoo to Ceres	Major southern range extension, sandy flats						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Helichrysum niveum</i> (L.) Less.		Saldanha to Stilbaai	No change, coastal dunes endemic					1	
ASTERACEAE	<i>Helichrysum patulum</i> (L.) D.Don.	Hottentot's bedding, Hottentotskooigoe d, kooigoed	Cape Peninsula to Mossel Bay	No change, sandy flats and slopes, coastal endemic					1	
ASTERACEAE	<i>Helichrysum revolutum</i> (Thunb.) Less.	kooigoed, strandsewejaartjie, vaalsewejaartjie	S Namibia to Cape Peninsula and Witteberg	No change, rocky or sandy flats and slopes						
ASTERACEAE	<i>Lachnospermum imbricatum</i> (P.J.Bergius) Hilliard		Mamre to Cape Flats and Elim to Agulhas	No change, coastal dune and limestone endemic				1		
ASTERACEAE	<i>Metalasia densa</i> (Lam.) Karis	blombos	Namaqualand to N Province	Southern extension of distribution, sandy or stony flats or slopes						1
ASTERACEAE	<i>Metalasia muricata</i> (L.) D.Don.	blombos, steekbos, witsteekbossie	Yzerfontein to Transkei	No change, coastal sands						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	Nidorella foetida (L.) DC.	vleikruid	Lambert's Bay to E Cape	No change, damp sites, often seeps and marshes						
ASTERACEAE	Oncosiphon suffruticosum (L.f.) Kallersjö	stinkkruid, stinkkruidbossie, wurmbossie	S Namibia and W Karoo to Gansbaai	No change, sandy flats and slopes, often coastal						
ASTERACEAE	Othonna coronopifolia L.	sandbobbejaankool	Pakhuis Mts to Cape Peninsula	No change, rocky sandstone and granite slopes especially along the coast, Cape endemic					1	
ASTERACEAE	Othonna filicaulis Jacq.	bobbejaankoolklim op	S Namibia to Uniondale	No change, sandy flats and slopes, often coastal						
ASTERACEAE	Plecostachys serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt	vaaltee	Langebaan to KwaZulu-Natal	No change, sandy coastal flats or damp slopes, often coastal						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Pseudognaphalium undulatum</i> (L.) Hilliard & B.L.Burt		Namibia to Port Elizabeth and S Mozambique	Southern range extension, damp, grassy or rocky slopes						1
ASTERACEAE	<i>Senecio arenarius</i> Thunb.	hongerblom	S Namibia and W Karoo to De Hoop	No change, sandy flats endemic					1	
ASTERACEAE	<i>Senecio burchellii</i> DC.	geelgifbos, Moltene disease plant	Namibia to Cape Peninsula to Port Elizabeth	No change, sandy and stony slopes						
ASTERACEAE	<i>Senecio elegans</i> L.	strandblommetjie, veld cineraria, wild cineraria	Saldanha to Port Elizabeth	No change, coastal dune endemic					1	
ASTERACEAE	<i>Senecio glutinosus</i> Thunb.	taaigeelhongerblom	S Namibia to Piketberg and Montagu	Major southern range extension, sandstone slopes						1
ASTERACEAE	<i>Senecio halimifolius</i> L.	tabakbos	Lambert's Bay to Hermanus	No change, coastal dune endemic					1	
ASTERACEAE	<i>Senecio hastatus</i> L.	groundsel	Ceres to KwaZulu-Natal and Karoo	No change, rocky karroid slopes						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Senecio littoreus</i> Thunb.	geelhongerblom, hongerblom	Namaqualand: Koekenaap to Cape Peninsula and Napier	No change, coastal sands endemic					1	
ASTERACEAE	<i>Senecio maritimus</i> L.	strandhongerblom	S Namaqualand to Agulhas	No change, coastal dunes and slopes						
ASTERACEAE	<i>Senecio scapiflorus</i> (L'Her.) C.A.Sm.	perskoppie	Namaqualand to Cape Peninsula	No change, rocky slopes and flats						
ASTERACEAE	<i>Seriphium cinereum</i> L.	vaalhartebeeskaroos, vaalrenosterbos	Cape Peninsula to Riviersonderend Mts	No change, slopes, often shale, Cape endemic					1	
ASTERACEAE	<i>Seriphium plumosum</i> L.	"khoi"-kooigoed, slangbos	Throughout southern Africa	No change, rocky flats and slopes						
ASTERACEAE	<i>Steirodiscus tagetes</i> (L.) Schltr.	cabaroe	Hopefield to Cape Peninsula	No change, Sandy flats endemic		1				
ASTERACEAE	<i>Trichogyne repens</i> (L.) Anderb.	witnaaldebossie	Vredenburg to Mossel Bay	No change, coastal dunes and sandy flats endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASTERACEAE	<i>Tripteris dentata</i> (Burm.f.) O.Hoffm.	jakkalsgousblom	Redelinghuys to Cape Peninsula	No change, sandstone slopes and flats, Cape endemic					1	
ASTERACEAE	<i>Ursinia anthemoides</i> (L.) Poir. subsp. <i>anthemoides</i>	bergmargriet, margriet, marigold	S Namibia and Karoo to Port Elizabeth	No change, sandy and gravel slopes						
BORAGINACEAE	<i>Amsinckia retrorsa</i> Suksd.	ystergras	American weed	No change						
BORAGINACEAE	<i>Lobostemon glaucophyllus</i> (Jacq.) H.Buek	blosblaarluihos	Clanwilliam to Cape Peninsula, Worcester to Swartberg Mts	No change, sandy flats and slopes, endemic					1	
BRASSICACEAE	<i>Heliophila africana</i> (L.) Marais	bloubekkie, sandflaks	Namaqualand to Swellendam	Southern extension of distribution, sandy flats						1
BRASSICACEAE	<i>Heliophila coronopifolia</i> L.	blouflaks, wild flax	S Namaqualand to Caledon	No change, flats and slopes						
BRASSICACEAE	<i>Heliophila linearis</i> (Thunb.) DC. var. <i>linearifolia</i>		Langebaan to E Cape	No change, sandy coastal flats						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
BRASSICACEAE	<i>Heliophila refracta</i> Sond.	draadblaarflaks	Elandsbaai to Stilbaai	No change, coastal endemic					1	
BRASSICACEAE	<i>Lepidium africanum</i> (Burm.f.) DC.	bird-seed, peperbossie, pepper weed	Widespread indigenous weed	No change						
CAMPANULACEAE	<i>Cyphia crenata</i> (Thunb.) C.Presl	kleinbökkies	Namaqualand to Cape Peninsula	No change, sandy flats, often coastal						
CAMPANULACEAE	<i>Lobelia erinus</i> L.	wild lobelia	Bokkeveld Mts to tropical Africa	Southern extension of distribution, lower mountain slopes and coastal flats						1
CAMPANULACEAE	<i>Wahlenbergia adpressa</i> (Thunb.) Sond.		Rocher Pan to Cape Peninsula	No change, coastal endemic					1	
CAMPANULACEAE	<i>Wahlenbergia tenella</i> (L.f.) Lammers		Mamre to E Cape	No change, sandy flats and slopes, often coastal						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
CARYOPHYLLACEAE	<i>Cerastium capense</i> Sond.	horingblom	widespread in southern Africa	No change, sheltered flats and slopes and waste places						
CARYOPHYLLACEAE	<i>Silene undulata</i> Aiton	wild tobacco, wildetabak	southern and tropical Africa	No change, slopes and flats						
CELASTRACEAE	<i>Gymnosporia buxifolia</i> (L.) Szyszyl.	gewonependoring, mnquqoba, stinkpendoring	widespread in southern and tropical Africa	No change, forest margins and disturbed areas						
CELASTRACEAE	<i>Pterocelastrus tricuspidatus</i> (Lam.) Sond.	cherrywood, kershout, utwina	Velddrif to Cape Peninsula to Port Edward	No change, dune scrub or forest						
CELASTRACEAE	<i>Putterlickia pyracantha</i> (L.) Szyszyl.	basterpendoring, pendoring, wildegranaat	Velddrif to E Cape	No change, coastal scrub						
CRASSULACEAE	<i>Cotyledon orbiculata</i> L.	honde-oor, kouterie, pig's ear, plakkie(s), varkoor	Namibia and South Africa	No change, sandy or stony soils in scrub						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
CRASSULACEAE	<i>Crassula cymosa</i> P.J.Bergius		S Namaqualand to Riviersonderend Mountains	Southern extension of distribution, sandy or gravelly slopes						1
CRASSULACEAE	<i>Crassula dichotoma</i> L.	geel crassula	Namaqualand to Agulhas	No change, sandy flats						
CRASSULACEAE	<i>Crassula glomerata</i> P.J.Bergius	brakvygie	Clanwilliam to Port Elizabeth	No change, coastal flats and limestone endemic					1	
CRASSULACEAE	<i>Crassula muscosa</i> L.	akkedisstert, lizard's tail, skilpadbos, skoenveterbossie, veterbos	S Namibia to E Cape and Free State	Southern extension of distribution, rocky flats and slopes						1
CRASSULACEAE	<i>Crassula natans</i> Thunb. var. <i>natans</i>	watergras	Widespread in South Africa and Lesotho	No change, moist depressions or pools						
CRASSULACEAE	<i>Crassula subulata</i> L.		Bokkeveld mountains to Port Alfred	No change, dry rocky slopes						
CRASSULACEAE	<i>Crassula thunbergiana</i> Schult. subsp.		S Namibia to Agulhas	No change, sandy flats and slopes, often						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
	thunbergiana			coastal						
CRASSULACEAE	Crassula tomentosa Thunb.		S Namibia to Gourits River	No change, stony slopes						
CRASSULACEAE	Tylecodon grandiflorus (Burm.f.) Toelken	rooisuikerblom	S Namaqualand to Cape Peninsula	No change, rocky outcrops, often granite						
CRASSULACEAE	Tylecodon paniculatus (L.f.) Toelken	botterboom	Namibia to Cape Peninsula through Little Karoo to Willowmore	No change, rocky slopes						
CUCURBITACEAE	Kedrostis nana (Lam.) Cogn.	bryony, ystervarkpatat(s)	Saldanha to KwaZulu-Natal	No change, coastal scrub						
EBENACEAE	Euclea racemosa Murray	bosghwarrie, bush guarri, kersbos, sea guarri, seeghwarrie	Namaqualand to E Cape	No change, coastal scrub						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ERICACEAE	<i>Erica mammosa</i> L.	ninepin heath, rookklossieheide, spinnekopvoete	Cedarberg Mts to Bredasdorp	South western extension of distribution, sandy flats and lower mountain slopes, Cape endemic					1	1
ERICACEAE	<i>Erica plumosa</i> Thunb.	silwerbasterheide, wolheide	Bokkeveld to Langeberg Mts	Southern range extension, sandy flats and lowers lopes, Cape endemic					1	1
EUPHORBIACEAE	<i>Clutia daphnoides</i> Lam.	vaalblaar, vaalbliksembos, vaalbossie	Saldanha to E Cape	No change, coastal bush						
EUPHORBIACEAE	<i>Euphorbia burmannii</i> E.Mey. ex Boiss.	lidjiesmelkbos, Sandveld-se-soetmelkbos, soetmelkbos, steenbokbos, steenbokmelkbos	Namaqualand to E Cape	No change, sandy to stony flats and slopes						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
EUPHORBIACEAE	<i>Euphorbia caput-medusae</i> L. subsp. <i>marlothiana</i> N.E.Br.	medusa's head, noordpol, vingerpol	Namaqualand to Mossel Bay	No change, sandy flats and stony slopes						
EUPHORBIACEAE	<i>Euphorbia mauritanica</i> L.	beesmelkbos, geelmelkbos	widespread in southern Africa	No change, flats and stony slopes						
FABACEAE	<i>Amphithalea ericifolia</i> (L.) Eckl. & Zeyh.	persblom, persbossie	Malmesbury to Albertinia	South western extension of distribution, lowland fynbos endemic					1	1
FABACEAE	<i>Argyrolobium lunare</i> (L.) Druce		Clanwilliam to Caledon	South western extension of distribution, lowland fynbos endemic					1	1
FABACEAE	<i>Aspalathus albens</i> L.	duine-ertjebos	Namaqualand: near Hondeklipbaai to Cape Peninsula	No change, lowland and coastal endemic					1	
FABACEAE	<i>Aspalathus divaricata</i> Thunb.		Gifberg to Riviersonderend Mts	Southern range extension, mountain fynbos endemic					1	1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
FABACEAE	<i>Aspalathus hispida</i> Thunb.	witertjebos	Namaqualand near Springbok, Gifberg to Alexandria	Southern extension of distribution, coastal fynbos						1
FABACEAE	<i>Aspalathus spinescens</i> Thunb subsp. <i>spinescens</i>	wolfdoring	Vredendal to Mamre	Slight south western extension of distribution, coastal fynbos endemic					1	1
FABACEAE	<i>Aspalathus ternata</i> (Thunb.) Druce	bolblomertjebos	Lambert's Bay to Cape Peninsula	No change, coastal dune endemic					1	
FABACEAE	<i>Indigofera heterophylla</i> Thunb.		Namaqualand and Karoo to E Cape	No change, renosterveld and fynbos						
FABACEAE	<i>Indigofera meyeriana</i> Eckl. & Zeyh.	silwerlewerertjie	Namaqualand and Karoo to E Cape	No change, karroid scrub, renosterveld, strandveld						
FABACEAE	<i>Indigofera procumbens</i> L.		Lambert's Bay to Cape Flats	No change, renosterveld, coastal fynbos, strandveld endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
	<i>Lebeckia spinescens</i> Harv.	sandganna	Namibia and Karoo to Clanwilliam	Major southern range extension, karroid scrub						1
FABACEAE	<i>Lessertia excisa</i> DC.		Namaqualand to Cape Peninsula	No change, sandstone slopes and flats						
FABACEAE	<i>Lessertia frutescens</i> (L.) Goldblatt & J.C.Manning	cancer bush, kankerbos	Namaqualand and W Karoo to E Cape	No change, sandstone and shale flats and slopes						
FABACEAE	<i>Otholobium bracteolatum</i> (Eckl. & Zeyh.) C.H.Stirt.	skaapbostee	Saldanha to Grahamstown	No change, sandveld and limestone endemic					1	
FABACEAE	<i>Psoralea repens</i> L.		Cape Peninsula to E Cape	No change, coastal fynbos						
FUMARIACEAE	<i>Cysticapnos vesicaria</i> (L.) Fedde	klappertjie	Namaqualand to De Hoop	No change, sandy flats and slopes, endemic					1	
GENTIANACEAE	<i>Chironia baccifera</i> L.	bitterbessiebos, perdebossie	Namaqualand to KwaZulu-Natal	Southern extension of distribution, sandy flats and slopes						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
GENTIANACEAE	<i>Orphium frutescens</i> D.Delaroche	teeringbos	Lambert's Bay to George	No change, coastal endemic					1	
GENTIANACEAE	<i>Sebaea albens</i> (L.f.) Sm.	kleinwitnaeltjiesblom	Piketberg to Albertinia	No change, coastal flats endemic					1	
GENTIANACEAE	<i>Sebaea aurea</i> (L.f.) Sm.	kleingeelnaeltjiesblom	Pakhuis Mts to Cape Peninsula to Humansdorp	No change, sandy flats and slopes, Cape endemic					1	
GERANIACEAE	<i>Pelargonium capitatum</i> (L.) L'Hér.	kusmalva, rose-scented pelargonium	Lambert's Bay to KwaZulu-Natal	No change, coastal dunes and flats						
GERANIACEAE	<i>Pelargonium gibbosum</i> (L.) L'Hér.	dikbeenmalva	Namaqualand to Cape Peninsula	No change, rock outcrops near coast						
GERANIACEAE	<i>Pelargonium myrrhifolium</i> (L.) L'Hér.	fynblaarmalva, wildemalva	Kamiesberg to Uitenhage	Southern extension of distribution, stony sand						1
GERANIACEAE	<i>Pelargonium senecioides</i> L'Hér.	teermalva	Namaqualand to Cape Peninsula and Witteberg	No change, deep sand endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
GERANIACEAE	<i>Pelargonium triste</i> (L.) L'Hér.	basbossie, kaneelbol, kaneeltjie, landwortel, naelblom, nagblom, rasmusbas, rooiwortel	Namaqualand to Albertinia	No change, sandy flats and slopes						
LAMIACEAE	<i>Leonotis leonurus</i> (L.) R.Br.	duiwelstabak, klipdagga, rivierdagga, rooidagga, wildedagga	Clanwilliam to Gauteng	Southern extension of distribution, forest margins or rough grassland						
LAMIACEAE	<i>Salvia africana-caerulea</i> L.	bloublomsalie	Namaqualand to Cape Peninsula to Montagu	No change, sandy flats and slopes, Cape endemic					1	
LAMIACEAE	<i>Salvia africana-lutea</i> L.	bruinsalie, sandsalie, strandsalie, wild sage	Namaqualand to E Cape	No change, coastal dunes and slopes						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
LAMIACEAE	<i>Salvia lanceolata</i> Lam.	rooisalie	Namaqualand to Cape Peninsula and Montagu	No change, coastal sands and rocky outcrops						
LAMIACEAE	<i>Stachys aethiopica</i> L.	katbossie, kleinkattekruie	Bokkeveld Mts to Swaziland	Southern range extension, scrub or grassland						1
MALVACEAE	<i>Hermannia multiflora</i> Jacq.		Bokkeveld Mts to Cape Peninsula	No change, sandy and rocky flats and slopes, Cape endemic					1	
MALVACEAE	<i>Hermannia pinnata</i> L.	kwasblaarkruippopros	Velddrif to Cape Peninsula	No change, coastal dune endemic					1	
MALVACEAE	<i>Hermannia procumbens</i> Cav. subsp. <i>procumbens</i>	popros	Bokbaai to Cape Peninsula	No change, coastal dune endemic		1				
MENISPERMACEAE	<i>Cissampelos capensis</i> L.f.	davidjies, fynblaarklimop	S Namibia and W Karoo to Port Elizabeth	Southern extension of distribution, sandy slopes in scrub						1
MESEMBRYANTHEMACEAE	<i>Amphibolia laevis</i>	kusduinevygie	Vredendal to	No change, coastal					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
	(Aiton) H.E.K.Hartmann		Melkbosstrand	plains, endemic						
MESEMBRYANTHEMACEAE	Carpobrotus acinaciformis (L.) L.Bolus	elandsvy, Hottentot fig, sour fig, suurvy	Saldanha to Mossel Bay	No change, coastal dune endemic					1	
MESEMBRYANTHEMACEAE	Carpobrotus edulis (L.) L.Bolus	"Khoi"-vy, gaukum, Hotnotsvy, Hottentot fig, Hottentotsvy, klipbokvy, perdevy, sour fig, suurvy	Namaqualand to E Cape	No change, coastal and inland slopes						
MESEMBRYANTHEMACEAE	Conicosia pugioniformis (L.) N.E.Br. subsp. pugioniformis	gansies, grootvetkousie, snotwortel, varkslaai, volstruisvygie	Richtersveld to Port Elizabeth	No change, coastal flats						
MESEMBRYANTHEMACEAE	Dorotheanthus apetalus (L.f.) N.E.Br.		Yzerfontein to Cape Agulhas	No change, coastal flats endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
MESEMBRYANTHACEAE	<i>Dorotheanthus bellidiformis</i> (Burm.f.) N.E.Br. subsp. <i>bellidiformis</i>	Bokbaaivygie, Livinstone daisy, sandvygie, ysplant	Namaqualand to Stilbaai	No change, sandy flats						
MESEMBRYANTHACEAE	<i>Jordaaniella dubia</i> (Haw.) H.E.K.Hartmann	helderkruipvygie	Elandsbaai to Mossel Bay	No change, coastal dune endemic					1	
MESEMBRYANTHACEAE	<i>Lampranthus explanatus</i> (L.Bolus) N.E.Br.	geelsandvygie	Cape Flats to Cape Agulhas	No change, sandy flats, southern coast and flats endemic					1	
MESEMBRYANTHACEAE	<i>Lampranthus multiradiatus</i> (Jacq.) N.E.Br.	heldersandvygie	Cape Peninsula	No change, stony slopes, endemic				1		
MESEMBRYANTHACEAE	<i>Mesembryanthemum canaliculatum</i> Haw.	kruipvygie	Cape Peninsula to Port Elizabeth	Northern extension of distribution, coastal dune endemic					1	1
MESEMBRYANTHACEAE	<i>Mesembryanthemum crystallinum</i> L.	brakslaai, ice plant, lizard plant, slaibos	Lambert's Bay to E Cape	No change, coastal sands						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
MESEMBRYANTHEMACEAE	Ruschia caroli (L.Bolus) Schwantes	beesvygie	Clanwilliam to Montagu and Robertson	Southern extension of distribution, habitat?, Cape endemic - COASTAL PLUS KAROO					1	1
MESEMBRYANTHEMACEAE	Ruschia indecora (L.Bolus) Schwantes		Melkbosstrand to Cape Peninsula	No change, coastal dune endemic				1		
MESEMBRYANTHEMACEAE	Ruschia macowanii (L.Bolus) Schwantes	bosvygie	Yzerfontein to Agulhas	Slight north easterly range extension, coastal rocks and southern coast endemic					1	1
MESEMBRYANTHEMACEAE	Ruschia misera (L.Bolus) L.Bolus		Clanwilliam	Major southerly range extension, Habitat? Local endemic PREDOMINANTLY WEST COAST; SAS HAS IT FROM YZERFONTEIN TO MELKBOSSTRAND			1			1
MOLLUGINACEAE	Adenogramma glomerata (L.f.) Druce	muggiegras	S Namibia to Humansdorp							

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
MOLLUGINACEAE	<i>Pharnaceum incanum</i> L.	regopsneeuwvygie	Namaqualand to Hopefield and Worcester	Slight southern range extension, rocky slopes						1
MOLLUGINACEAE	<i>Pharnaceum lanatum</i> Bartl.	wolhaarsneeuwvygie	Namaqualand and Karoo to Cape Peninsula	No change, sandy flats and slopes						
MOLLUGINACEAE	<i>Pharnaceum microphyllum</i> L.f.		Namaqualand to Saldanha Bay	Southerly range extension, coastal sands and limestones						1
MYRICACEAE	<i>Morella cordifolia</i> (L.) Killick	candle berry, dune waxberry, glashout, wasbessie, waxberry	Yzerfontein to E Cape	No change, coastal sands and limestones						
MYRICACEAE	<i>Morella quercifolia</i> (L.) Killick	maagpynbossie	Namaqualand to E Cape	No change, mostly coastal sandy and limestone flats						
NEURADACEAE	<i>Grielum grandiflorum</i> (L.) Druce	duikerwortel, platdoring	Namaqualand to Cape Peninsula	No change, sandy and stony coastal flats						
OLEACEAE	<i>Olea exasperata</i> Jacq.	slanghout	Cape Peninsula to E Cape	No change, coastal scrub on sand and						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
				limestone						
ONAGRACEAE	<i>Epilobium hirsutum</i> L.		Clanwilliam to Cape Peninsula to W Asia	No change, damp places						
OROBANCHACEAE	<i>Harveya squamosa</i> (Thunb.) Steud.	jakkaslbos	Lambert's Bay to Kleinmond	No change, deep coastal sand endemic					1	
OROBANCHACEAE	<i>Hyobanche sanguinea</i> L.	katnaels, wolwekos	S Namibia to Swaziland	No change, sandy slopes and flats, usually coastal, endemic						
OXALIDACEAE	<i>Oxalis hirta</i> L.	stamsuring	Bokkeveld Mts to Cape Peninsula	No change, flats and lower slopes, Cape endemic					1	
OXALIDACEAE	<i>Oxalis luteola</i> Jacq.	geelsuring	Bokkeveld Mts to Albertinia	No change, flats and lower slopes, endemic					1	
OXALIDACEAE	<i>Oxalis obtusa</i> Jacq.	geeloogsuring	Namaqualand and W Karoo to Port Elizabeth	No change, mostly clay and granite						
OXALIDACEAE	<i>Oxalis pes-caprae</i> L.	sorrel, suring	Namaqualand to E Cape	No change						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
OXALIDACEAE	<i>Oxalis polyphylla</i> Jacq.	fynblaarsuring	Malmesbury to Port Elizabeth	No change, on flats, Cape flats endemic					1	
OXALIDACEAE	<i>Oxalis purpurea</i> L.	grootsuring	Namaqualand and W Karoo to Port Elizabeth	Southern extension of distribution, flats and slopes						1
OXALIDACEAE	<i>Oxalis versicolor</i> L.	candystick suring	Clanwilliam to Hermanus	No change, flats and slopes, Cape endemic					1	
PLANTAGINACEAE	<i>Plantago crassifolia</i> Forssk.	fleshy plantain	Saldanha Bay to tropical Africa	No change, coastal sands and limestones						
PLUMBAGINACEAE	<i>Afrolimon perigrinum</i> (P.J.Bergius) Lincz.	strandroos	Namaqualand to Melkbosstrand	No change, coastal dunes						
PLUMBAGINACEAE	<i>Afrolimon purpuratum</i> (L.) Lincz.	papierblom	Mamre to Durbanville	No change, coastal flats endemic				1		
PLUMBAGINACEAE	<i>Limonium billardieri</i> (Girard) Kuntze		Velddrif to Bredasdorp	No change, coastal dune endemic					1	
PLUMBAGINACEAE	<i>Limonium equisetinum</i> (Boiss.) R.A.Dyer	seelaventel	Namaqualand to Bokbaai	No change, coastal and flats						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
PLUMBAGINACEAE	<i>Limonium scabrum</i> (Thunb.) Kuntze	brakblommetjie, sea lavender	Cape Peninsula to E Cape	No change, coastal dunes and estuaries						
POLYGALACEAE	<i>Nylandtia spinosa</i> (L.) Dumort.	bokbessie, skilpadbessie	Namaqualand and W Karoo to E Cape	No change, sandy flats and slopes						
POLYGALACEAE	<i>Polygala garcinii</i> DC.		Bokkeveld Mts to Knysna	Southern extension of distribution, sandy and clay slopes, Cape endemic					1	1
POLYGONACEAE	<i>Emex australis</i> Steinh.	devil's thorn, dubbeltjie, duiweltjie	Namaqualand and NW Province, Lambert's Bay to Uitenhage	No change, sandy and stony flats and lower slopes						
POLYGONACEAE	<i>Rumex cordatus</i> Poir.		Namaqualand and W Karoo to E Cape	No change, sandy flats and slopes						
POLYGONACEAE	<i>Rumex lativalvis</i> Meisn.	veldsuring	Clanwilliam to De Hoop, ?Uitenhage	No change, clay and limestone slopes and flats, Cape endemic					1	
POLYGONACEAE	<i>Rumex sagittatus</i> Thunb.		Riviersonderend Mts to Port Elizabeth, widespread in southern	No change, bush and forest margins						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
			Africa							
PROTEACEAE	Leucadendron levisanus (L.) P.J.Bergius	Cape Flats cone-bush	Mamre to Cape Flats	No change, damp sandy flats, Cape flats endemic				1		
PROTEACEAE	Leucadendron salignum P.J.Bergius	common sunshine cone-bush, geelbos, geeltolbos, knopbos, knoppiesbos, rooibos, stompieknopbos, sunshine bush	Bokkeveld Mts to Grahamstown	Southern extension of distribution, sand and clay slopes and flats						1
PROTEACEAE	Leucospermum hypophyllocarpodendron (L.) Druce subsp. canaliculatum (H.Buek.) ex Meisn.)	kruipluisiebos, slangbossie	Piketberg to Agulhas Coast	No change, sandy flats, Cape endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
	Rourke									
PROTEACEAE	<i>Protea repens</i> (L.) L.	bierbos, common sugarbush, mebos, perdebos, soetstroopbos, stroopbos, sugarbush, suikerbos, suikerkan	Bokkeveld Mts to Grahamstown	No change, sandstone and clay flats						
PROTEACEAE	<i>Serruria decipiens</i> R.Br.	sandveld spiderhead, Weskusspinnekopbos	Olifants River Mts to Cape Flats	No change, coastal flats and slopes, coastal endemic					1	
PROTEACEAE	<i>Serruria fasciflora</i> Salisb. ex Knight	fynspinnepkopbos, spinnepkopbos, spinnepkopbossie	Hopefield to George	South westerly range extension, sandy flats and lower slopes, endemic						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
RHAMNACEAE	<i>Phylica cephalantha</i> Sond.	tolhardeblaar	Olifants River mouth and Cedarberg Mts to Cape Peninsula	No change, sandy flats and lower slopes, Cape endemic					1	
RHAMNACEAE	<i>Phylica ericoides</i> L.		Saldanha to Port Elizabeth	No change, coastal dune endemic					1	
RHAMNACEAE	<i>Phylica harveyi</i> (Arn.) Pillans		Piketberg to Cape Peninsula	No change, coastal dune endemic					1	
RHAMNACEAE	<i>Phylica plumosa</i> L.	veerkoppie	Piketberg to Cape Peninsula and Caledon	No change, clay and granite soils, Cape endemic					1	
RHAMNACEAE	<i>Trichocephalus stipularis</i> (L.) Brongn.	hondegesiggie	Cedarberg Mts to Knysna	Southern extension of distribution, sandy flats and lower slopes, Cape endemic					1	
ROSACEAE	<i>Cliffortia falcata</i> L.f.		Cape Peninsula to Knysna	No change, coastal dune endemic					1	
ROSACEAE	<i>Cliffortia juniperina</i> L.f.		Namaqualand to Caledon	No change, granite and sandstone slopes						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ROSACEAE	<i>Cliffortia polygonifolia</i> L. var. <i>polygonifolia</i>		Clanwilliam to Bredasdorp	No change, flats and lower slopes, Cape endemic					1	
RUBIACEAE	<i>Anthospermum aethiopicum</i> L.		Bokkeveld Escarpment to E Cape	Southern Range extension, clay slopes						1
RUBIACEAE	<i>Anthospermum prostratum</i> Sond.		Saldanha to Port Elizabeth	No change, coastal dune endemic						
RUBIACEAE	<i>Anthospermum spathulatum</i> Spreng. subsp. <i>spathulatum</i>	skaapbos	Namaqualand to E Cape	No change, sandy soils						
RUBIACEAE	<i>Galium tomentosum</i> Thunb.	kleefgras	S Namibia to E Cape and Free State	No change, scrub						
RUTACEAE	<i>Agathosma imbricata</i> (L.) Willd.	sand buchu, sandboegoe	Tulbagh to Knysna	Southern extension of distribution, granite, limey or sandy well-drained or seasonally damp slopes and flats						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
RUTACEAE	<i>Agathosma serpyllacea</i> Licht. ex Roem. & Schult.		Piketberg to Humansdorp	Southern extension of distribution, coastal or inland sand or limestone flats and slopes, Cape endemic					1	
RUTACEAE	<i>Diosma aspalathoides</i> Lam.	haasboegoe	Hopefield to Milnerton	No change, coastal dune endemic		1				
RUTACEAE	<i>Diosma dichotoma</i> P.J.Bergius		Hopefield to False Bay	No change, coastal dune endemic						
RUTACEAE	<i>Diosma hirsuta</i> L.	rooiboegoe	Cedarberg Mts to Humansdorp	No change, sandstone and clay slopes, Cape endemic					1	
RUTACEAE	<i>Diosma oppositifolia</i> L.	bitterboegoe	Darling to Bredasdorp and Agulhas	No change, sandstone, granite and limestone slopes, Cape endemic						
SANTALACEAE	<i>Osyris compressa</i> (P.J.Bergius) A.DC.	pruimbas	Cedarberg Mts to tropical Africa	Southern extension of distribution, sandstone slopes						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
SANTALACEAE	<i>Thesidium fragile</i> (Thunb.) Sond.	breekgroenbasbos ie	Little Karoo, Saldanha Bay to E Cape	No change, sandy flats and slopes						
SANTALACEAE	<i>Thesium aggregatum</i> A.W.Hill		Namaqualand to Bredasdorp, Humansdorp	No change, sandstone flats and slopes						
SANTALACEAE	<i>Thesium frisea</i> L.		Elandsbaai to Uitenhage	No change, sandstone slopes and flats, Cape endemic					1	
SANTALACEAE	<i>Thesium pubescens</i> DC.		Olifants River Mts to Cape Peninsula, ?Witteberg	No change, sandstone slopes, Cape endemic					1	
SANTALACEAE	<i>Thesium scabrum</i> L.		Hex River Mts to Cape Peninsula and Agulhas	No change, sandstone slopes, Cape endemic					1	
SANTALACEAE	<i>Thesium spicatum</i> L.	lidjes'tee	Cape Peninsula to Riviersonderend Mts	No change, sandstone slopes, Cape endemic					1	
SANTALACEAE	<i>Thesium strictum</i> P.J. Bergius		S Namaqualand to Grahamstown	Southern extension of distribution, sandstone slopes						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
SANTALACEAE	<i>Thesium virgatum</i> Lam.		Cedarberg to Port Elizabeth	No change, stony flats and lower slopes, endemic					1	
SCROPHULARIACEAE	<i>Diascia diffusa</i> Benth.	eenoochorinkie	Piketberg to Cape Peninsula	No change, fynbos and renosterveld in sand or loam, Cape endemic					1	
SCROPHULARIACEAE	<i>Dischisma ciliatum</i> (P.J.Bergius) Choisy subsp. <i>ciliatum</i>		Lokenberg to Port Elizabeth	No change, rocky slopes and flats, Cape endemic					1	
SCROPHULARIACEAE	<i>Hebenstretia dentata</i> L.	slakblom	Namaqualand to Cape Peninsula	No change, rocky sandstone soils						
SCROPHULARIACEAE	<i>Hebenstretia repens</i> Jaroscz	witslakblom	Namaqualand to Albertinia	No change, sand flats and slopes,						
SCROPHULARIACEAE	<i>Hebenstretia robusta</i> E.Mey.	bosslakblom	Namaqualand to Uniondale and E Cape	No change, rocky sandstone soils						
SCROPHULARIACEAE	<i>Hemimeris racemosa</i> (Houtt.) Merr.	geelgesiggie	Richtersveld to Port Elizabeth	Southern extension of distribution, coastal and inland sands and						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
				clay						
SCROPHULARIACEAE	Hemimeris sabulosa L.f.	sandgeelgesiggie	Namaqualand to Stilbaai	No change, sandy coastal flats						
SCROPHULARIACEAE	Lyperia lychnidea (L.) Druce	soetraanblommetjie	Saldanha Bay to Stilbaai	No change, coastal sands in scrub, West Coast endemic					1	
SCROPHULARIACEAE	Lyperia tristis (L.) Benth.	traanblommetjie	Namibia through W Cape and Karoo to Willowmore	No change, sandy, gravelly or stony ground						
SCROPHULARIACEAE	Manulea rubra L.f.	roovingertjies	Velddrif to Somerset West	No change, sandy flats near coast, West Coast endemic					1	
SCROPHULARIACEAE	Manulea thyriflora L.f.		Velddrif to Blouberg and De Hoop to Stilbaai	No change, coastal dune endemic					1	
SCROPHULARIACEAE	Manulea tomentosa (L.) L.	duinevingertjies	Saldanha Bay to Pearly Beach	No change, coastal dune endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
SCROPHULARIACEAE	<i>Nemesia affinis</i> Benth.	bontleeubekkie, leeubekkie, weeskindertjie(s)	S Namibia to E Cape	Southern extension of distribution, sandy and granite slopes and flats						1
SCROPHULARIACEAE	<i>Nemesia bicornis</i> (L.) Pers.	witleeubekkie	Namaqualand to Stilbaai	No change, coastal sands						
SCROPHULARIACEAE	<i>Nemesia strumosa</i> (Herb. Banks ex Benth.) Benth.	balsamienie, nemesia	Hopefield to Melkbos	No change, sandveld endemic	1					
SCROPHULARIACEAE	<i>Oftia africana</i> (L.) Bocq.	sukkelbossie	Bokkeveld Mts to Uitenhage	No change, sandstone and granite slopes, Cape endemic					1	
SCROPHULARIACEAE	<i>Phyllopodium cephalophorum</i> (Thunb.) Hilliard	perskopopslag	S Namaqualand to Cape Peninsula	No change, sandy flats						
SCROPHULARIACEAE	<i>Phyllopodium heterophyllum</i> (L.f.) Benth.		S Namaqualand to Beaufort West	South western extension of distribution, sandy flats and slopes						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
SCROPHULARIACEAE	<i>Phyllopodium phyllopodoides</i> (Schltr.) Hilliard	persopslag	S Namaqualand to Saldanha Bay	Southern extension of distribution, sandy flats						1
SCROPHULARIACEAE	<i>Polycarena capensis</i> (L.) Benth.	geelopslag	Hopefield to Cape Peninsula	No change, sandy soils, West Coast endemic	1					
SCROPHULARIACEAE	<i>Zaluzianskya villosa</i> F.W.Schmidt	drumsticks	Langebaan to Pearly Beach	No change, sandy flats, coastal dune endemic					1	
SOLANACEAE	<i>Lycium afrum</i> L.	bokdoring, kraal honey thorn, kraalkriekdoring	Lambert's Bay to Uitenhage	No change, stony slopes and flats, west and south coast endemic					1	
SOLANACEAE	<i>Lycium ferocissimum</i> Miers	karriedoring, slangbessie	Namaqualand and W Karoo to E Cape	Southern extension of distribution, dry stony flats						1
SOLANACEAE	<i>Solanum africanum</i> Mill.	dronkbessie, dronktou, melkellie	Cape Peninsula to KwaZulu-Natal	No change, coastal dunes						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
SOLANACEAE	<i>Solanum guineense</i> L.	melkellie	Namaqualand to E Cape	Southern extension of distribution, coastal dunes						1
SOLANACEAE	<i>Solanum nigrum</i> L.		Cape Peninsula to Eurasia	No change						
THYMELAEACEAE	<i>Lachnaea grandiflora</i> (L.f.) Baill.	grootletjiesbos	Cedarberg to Agulhas	No change, sandy flats and lower slopes, Cape endemic						1
THYMELAEACEAE	<i>Lachnaea uniflora</i> (L.) Beyers	letjiesbos	Porterville to Yzerfontein and Hottentots Holland Mts	No change, sandy flats and rocky sandstone slopes, Cape endemic						1
THYMELAEACEAE	<i>Passerina corymbosa</i> Eckl. ex C.H.Wright	sandgannabos	Tulbagh to E Cape	No change, sandy, often disturbed flats and slopes						
THYMELAEACEAE	<i>Passerina ericoides</i> L.		Blouberg to Hermanus	No change, coastal dune and southern coast endemic		1				
THYMELAEACEAE	<i>Passerina paleacea</i>		Saldanha Bay to Agulhas	No change, coastal						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
	Wikstr.			dune endemic						
THYMELAEACEAE	Passerina rigida Wikstr.	gonnabas	Cape Peninsula to KwaZulu-Natal	No change, coastal dune endemic					1	
THYMELAEACEAE	Struthiola leptantha Bolus	roemenaggie, veertjite	Namaqualand to Malmesbury and Little Karoo	Southern extension of distribution, sandy flats and mountain slopes						1
URTICACEAE	Didymodoxa capensis (L.f.) Friis & Wilmot-Deare		Namibia and Namaqualand to Knysna	No change, sheltered sites, forest margins and clearings						
VISCACEAE	Viscum capense L.f.	Cape mistletoe, mistletoe, voëlent	S Namibia to Caledon	No change, parasite						
ZYGOPHYLLACEAE	Roepera flexuosum Eckl. & Zeyh.	spekbossie	Velddrif to Knysna	No change, coastal sand and limestone endemic					1	
ZYGOPHYLLACEAE	Roepera fulva L.	spekbossie	Gifberg to Port Elizabeth	No change, sandy flats and rocky slopes, endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ZYGOPHYLLACEAE	<i>Roepera morgsana</i> L.	skilpadbos, slaaihos	S Namibia to Grahamstown	No change, sandy and stony slopes						
AMARYLLIDACEAE	<i>Brunsvigia orientalis</i> (L.) Aiton ex Eckl.	candelabra flower, kandelaar, koningskandelaar(b lom)	S Namaqualand to Cape Peninsula and Knysna	No change, sandy coastal lowlands						
AMARYLLIDACEAE	<i>Crossyne guttata</i> (L.) D. & U.Mull.-Doblies	haarblom, sambreelblom, seeroogblom	Piketberg to Swellendam	Southern extension of distribution, shale and granite flats and lower slopes, Cape endemic					1	1
AMARYLLIDACEAE	<i>Gethyllis ciliaris</i> (Thunb.) Thunb.	kukumakranka	Namaqualand to Cape Peninsula	No change, flats						
AMARYLLIDACEAE	<i>Haemanthus coccineus</i> L.	April fool, poeierkwas, rooikwas, velskoenblaar	S Namibia to Port Elizabeth	No change, coastal scrub and rocky slopes						
AMARYLLIDACEAE	<i>Haemanthus pubescens</i> L.f. subsp.	poeierkwas	Namaqualand to Cape Peninsula and Worcester	No change, sandy flats						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
	pubescens									
ANTHERICACEAE	Chlorophytum triflorum (Aiton) Kunth	gifkool	Elandsbaai to Cape Peninsula	No change, sandy slopes and flats, West Coast endemic					1	
APONOGETONACEAE	Aponogeton angustifolius Aiton	wateruintjie	Malmesbury to Worcester	South western extension of distribution, Cape endemic		1				1
ARACEAE	Zantedeschia aethiopica (L.) Spreng.	arum, arum lily, calla lily, pig lily, varkblom	Richtersveld, Kamiesberg, Bokkeveld Mts to N Province	No change, sandy or rocky places, seasonally damp						
ASPARAGACEAE	Asparagus aethiopicus L.		Namaqualand to Transkei	Southern extension of distribution, dry bush						1
ASPARAGACEAE	Asparagus asparagoides (L.) Druce	breëblaarklimop, breëblaarkransie, krulkransie	Gifberg to Port Elizabeth to tropical Africa	No change, widespread in bush						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASPARAGACEAE	<i>Asparagus capensis</i> L.	katbos, katdoring, wag-'n-bietjie, wag-'n-bietjebos	S Namibia to Transkei	No change, rocky slopes						
ASPARAGACEAE	<i>Asparagus declinatus</i> L.		S Namibia to Riversdale	No change, rock outcrops, fynbos and coastal scrub						
ASPARAGACEAE	<i>Asparagus lignosus</i> Burm.f.	withaakdoring	Clanwilliam to Mossel Bay	No change, sandstone slopes and marshy flats, Cape endemic					1	
ASPARAGACEAE	<i>Asparagus rubicundus</i> P.J.Bergius	swarthaakdoring	Kamiesberg, Gifberg to Uitenhage	Southern extension of distribution, sandy and granite slopes						1
ASPHODELACEAE	<i>Bulbine annua</i> (L.) Willd.	geelkwassie, kopieva	Saldanha to Riversdale	No change, stony flats and slopes, Cape endemic					1	
ASPHODELACEAE	<i>Trachyandra ciliata</i> (L.f.) Kunth	hotnotskool, wildeblomkool	Namibia to Grahamstown	No change, damp sandy coastal flats						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
ASPHODELACEAE	<i>Trachyandra divaricata</i> (Jacq.) Kunth	duinekool, hottentotskool	Namaqualand to Port Alfred	No change, littoral dunes and sand flats						
ASPHODELACEAE	<i>Trachyandra falcata</i> (L.f.) Kunth	bokkool, hotnotskool, Namakwakool, veldkool	Namibia to Worcester and W Karoo	Southern extension of distribution, sandy or clay flats and slopes, karroid scrub						1
ASPHODELACEAE	<i>Trachyandra muricata</i> (L.f.) Kunth	beesblom, rolboskool	S Namibia to Caledon	Southern extension of distribution, stony clay slopes in karroid scrub and renosterveld						1
ASPHODELACEAE	<i>Trachyandra revoluta</i> (L.) Kunth		Richtersveld to Port Alfred	No change, sandy flats						
ASPHODELACEAE	<i>Trachyandra sabulosa</i> (Adamson) Oberm.		Hopefield to Cape Agulhas	No change, coastal flats endemic					1	
COLCHICACEAE	<i>Ornithoglossum viride</i> (L.f.) Aiton	eendjies, groenspinnekoppie, slangkop	Clanwilliam to Riversdale	Southern extension of distribution, deep sandy soils, Cape endemic					1	1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
CYPERACEAE	<i>Bolboschoenus maritimus</i> (L.) Palla	sedge, snygras, snyruigte	Clanwilliam to tropical Africa, pantropical	Southern extension of distribution, marshy flats near water, mainly coastal, below 700m						1
CYPERACEAE	<i>Cyperus textilis</i> Thunb.	mat sedge, matjiesgoed, umbrella sedge	Piketberg to S KwaZulu-Natal	No change, marshes and watercourses below 150m						
CYPERACEAE	<i>Ficinia argyropa</i> Nees		Namaqualand to Riversdale	No change, sandy flats near coast						
CYPERACEAE	<i>Ficinia bulbosa</i> (L.) Nees		Cedarberg Mts to E Cape	No change, strandveld, coastal and mountain fynbos						
CYPERACEAE	<i>Ficinia capitella</i> (Thunb.) Nees		W Karoo, Ceres to Caledon	Southern extension of distribution, flats and slopes below 1700m						1
CYPERACEAE	<i>Ficinia dunensis</i> Levyns		Cedarberg Mts to Port Elizabeth	No change, coastal dunes or mountain slopes, Cape endemic						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
CYPERACEAE	<i>Ficinia indica</i> (Lam.) Pfeiffer	knoppiesbiesie	Namaqualand to E Cape	No change, flats and lower slopes						
CYPERACEAE	<i>Ficinia lateralis</i> (Vahl) Kunth		Cape Peninsula to E Cape	No change, coastal sands						
CYPERACEAE	<i>Ficinia nodosa</i> (Rottb.) Goetgh.	steekbiesie, vleibiesie	Namaqualand to Kwa-Zulu Natal and widespread in S hemisphere	No change, damp sandy flats in coastal areas						
CYPERACEAE	<i>Ficinia oligantha</i> (Steud.) J.Raynal		Clanwilliam to Knysna	Southern extension of distribution, lower slopes, Cape endemic					1	1
CYPERACEAE	<i>Ficinia pygmaea</i> Boeck.		Lambert's Bay to Bredasdorp	No change, coastal dune endemic					1	
CYPERACEAE	<i>Ficinia secunda</i> (Vahl) Kunth		Cedarberg Mts to Mossel Bay	Southern extension of distribution, sandy flats below 1000m, Cape endemic					1	1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
CYPERACEAE	<i>Hellmuthia membranacea</i> (Thunb.) R.Haynes & K.Lye	biesie, knobbiesie	Saldanha to Knysna	No change, coastal dune endemic					1	
CYPERACEAE	<i>Isolepis antarctica</i> (L.) Roem. & Schult.		Cape Peninsula to Langeberg Mts	No change, damp flats and slopes, Cape endemic					1	
CYPERACEAE	<i>Isolepis cernua</i> (Vahl) Roem. & Schult.		Cape Peninsula to Port Elizabeth, cosmopolitan	No change, marshes and watercourses						
CYPERACEAE	<i>Isolepis marginata</i> (Thunb.) A.Dietr.		Namaqualand to E Cape, also Australia	No change, dunes, flats and slopes in seasonally damp sandy soil						
CYPERACEAE	<i>Isolepis rubicunda</i> Kunth		Langebaan to Cape Peninsula	Northern extension of distribution, seasonal pools on flats or lower slopes, West Coast endemic			1			1
CYPERACEAE	<i>Isolepis venustula</i> Kunth		Cape Peninsula to Caledon	No change, coastal flats endemic		1				

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
CYPERACEAE	<i>Scirpoides thunbergii</i> (Schrad.) Soják	steekbiesie	Cape Peninsula to E Cape	No change, damp flats near coast to 300m						
HAEMODORACEAE	<i>Wachendorfia multiflora</i> (Klatt) J.C. Manning and Goldblatt	kleinrooikanol	Namaqualand to Cape Peninsula and Robertson	No change, sandstone and granitic soils						
HAEMODORACEAE	<i>Wachendorfia paniculata</i> Burm.	koffiepit, rooikanol, spinnekopblom	Bokkeveld Mts to Port Elizabeth	Southern extension of distribution, sandstone and granitic soils, Cape endemic					1	1
HEMEROCALLIDACEAE	<i>Caesia contorta</i> (L.f.) T.Durand & Schinz	sokkiesblom	Namaqualand to Stutterheim	No change, sandstone slopes						
HYACINTHACEAE	<i>Albuca flaccida</i> Jacq.	geldbeursie, sandpypie, slangtamarak, soldier-in-the-box	S Namaqualand to Stilbaai	No change, coastal in deep sandy soils						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
HYACINTHACEAE	<i>Albuca maxima</i> Burm.f.	bloustok, geldbeursie, kamiemie, slymstok, soldier-in-the-box, wittamarak	Namaqualand to Riversdale	Southern extension of distribution, rocky sandstone or granitic soils						1
HYACINTHACEAE	<i>Drimia fragrans</i> (Jacq.) J.C.Manning & Goldblatt		Namaqualand: Hondeklipbaai, and Bokkeveld Mts to Hex River Valley	Southern extension of distribution, Cape flats endemic					1	1
HYACINTHACEAE	<i>Lachenalia bulbifera</i> (Cyrillo) Engl.	rooinaeltjie	Klawer to Mossel Bay	No change, coastal dune endemic					1	
HYACINTHACEAE	<i>Lachenalia rubida</i> Jacq.	berгнаeltjie, rooiviooltjie, sandkalossie, sandviooltjie	Hondeklipbaai to Cape Peninsula to George	No change, sandy flats and slopes, coastal endemic					1	
HYACINTHACEAE	<i>Lachenalia variegata</i> W.F.Barker		Clanwilliam to Cape Peninsula	No change, deep sand, mainly coastal, Cape endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
IRIDACEAE	<i>Aristea africana</i> (L.) Hoffmanns.	blousuurkanol, koringblommetjie, maagbossie	Gifberg to Bredasdorp and Riversdale	Southern extension of distribution, sandy flats and mountain slopes, Cape endemic					1	1
IRIDACEAE	<i>Aristea dichotoma</i> (Thunb.) Ker-Gawl.	venstervrug	Namaqualand to Cape Peninsula	No change, sandy flats and lower slopes						
IRIDACEAE	<i>Babiana ringens</i> (L.) Ker Gawl.	antholyza, hanekam, roobobbejaanuintjie, rotstert	Bokkeveld Mts to Bredasdorp	No change, Cape flats endemic						
IRIDACEAE	<i>Babiana tubulosa</i> (Burm.f.) Ker Gawl. var. <i>tubulosa</i>	witbobbejaantjie	Elandsbaai to Riversdale	No change, sandy flats and lower slopes, south west coast endemic					1	
IRIDACEAE	<i>Ferraria crispa</i> Burm. subsp. <i>crispa</i>	krulletjie, spinnekopblom, uiltjie	Lambert's Bay to Mossel Bay, Little Karoo	No change, coastal, sandstone or granite rocks, Cape endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
IRIDACEAE	<i>Gladiolus carinatus</i> Aiton	blou-afrikaner, blue afrikaner, mauve afrikaner, sandpypie	Namaqualand to Knysna	No change, sandstone slopes or deep coastal sands						
IRIDACEAE	<i>Gladiolus cunonius</i> (L.) Gaertn.	lepelblom, lippypie, rooipypie, suikerkanntjie	Saldanha to Knysna	No change, coastal endemic					1	
IRIDACEAE	<i>Lapeirousia anceps</i> (L.f.) Ker Gawl.	pienkkringblom	S Namaqualand to Mossel Bay	No change, deep sand or stony slopes in fynbos						
IRIDACEAE	<i>Melasphaerula ramosa</i> (L.) N.E.Br.	baardmannetjie, bokbaardjie, feëklokkie	S Namibia to De Hoop and Swartberg Mts	No change, sandstone or limestone slopes						
IRIDACEAE	<i>Moraea fugax</i> (D.Delaroche) Jacq.	hottentotsbrood, hottentotsuintjie, hottentotuintjie, soetuintjie, uintjie	Namaqualand to Swellendam	Southern extension of distribution, deep sands and rocky sandstone and granitic soils						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
IRIDACEAE	<i>Moraea tripetala</i> (L.f.) Ker Gawl.	blou-uintjie, dwergtulp, kleinuintjie, perde-uintjie, tulp	Bokkeveld Mts and W Karoo to Riversdale and Swartberg Mts	Southern extension of distribution, rocky sandstone and clay soils						1
IRIDACEAE	<i>Romulea obscura</i> Klatt	kolfroetang	Clanwilliam to Agulhas	No change, West Coast flats endemic					1	
IRIDACEAE	<i>Romulea rosea</i> (L.) Eckl.	froetang, frutang, knikker, knikkertjie, rooiknikkertjie	Bokkeveld Mts to Port Elizabeth and W Karoo	Southern extension of distribution, sandy and clay slopes and flats, Cape endemic					1	1
IRIDACEAE	<i>Romulea tabularis</i> Eckl. ex Beg.	bloufroetang	S Namaqualand to Agulhas	No change, moist, sandy or limestone flats						
IRIDACEAE	<i>Watsonia meriana</i> (L.) Mill.	lakpypie, rooikanol, suurkanolpypie, waspypie	Namaqualand to Bredasdorp	No change, sandy or granitic soils, often vleis and stream banks						
JUNCACEAE	<i>Juncus kraussii</i> Hochst. subsp. <i>kraussii</i>	biesie, rush	Cape Peninsula to Mozambique, Australia,	No change, saline marshes						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
			South America							
JUNCAGINACEAE	Triglochin bulbosa L.	bolletjieblom	Bokkeveld Mts to tropical Africa and Mediterranean	No change, damp or marshy places						
ORCHIDACEAE	Corycium crispum (Thunb.) Sw.	bastertrewwa, geelbastertrewwa	Namaqualand to Albertinia	No change, sandy flats						
ORCHIDACEAE	Corycium orobanchoides (L.f.) Sw.	bastertrewwa	Klawer to Albertinia	Southern extension of distribution, Cape flats endemic					1	1
ORCHIDACEAE	Disa draconis (L.f.) Sw.	lilac disa, white disa, witdisa	Yzerfontein to Cape Peninsula	No change, West Coast and flats endemic		1				
ORCHIDACEAE	Disperis villosa (L.f.) Sw.	babakappie, moederkappie, oumakappie	Clanwilliam to Mossel Bay and Port Elizabeth	No change, clay and granite slopes, Cape endemic					1	
ORCHIDACEAE	Satyrium carneum (Dryand.) Sims	rooikoppie, rooitrewwa	Cape Peninsula to Riversdale	No change, coastal flats endemic					1	

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
POACEAE	<i>Aristida junciformis</i> Trin. & Rupr.	wire grass	Cedarberg Mts to tropical E Africa	Southern extension of distribution, mountain slopes						
POACEAE	<i>Cladoraphis cyperoides</i> (Thunb.) S.M.Phillips	biesie-eragrotis, seebiesie, steekriet	Angola to Cape Peninsula	No change, coastal dunes						
POACEAE	<i>Cynodon dactylon</i> (L.) Pers.	Bermuda grass, couch, fine quick grass, fynkweek, gewone kweekgras	throughout Africa	No change, mountains and flats						
POACEAE	<i>Ehrharta brevifolia</i> Schrad. var. <i>brevifolia</i>		Namaqualand to Agulhas	No change, sandy coastal flats						
POACEAE	<i>Ehrharta calycina</i> Sm.	common ehrharta, polgras, rooigras, rooisaadgras	Namaqualand to KwaZulu-Natal	No change, flats and slopes						
POACEAE	<i>Ehrharta delicatula</i>		S Namibia to	No change, shady						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
	(Nees) Stapf		Swellendam	habitats						
POACEAE	Ehrharta erecta Lam.		Cape Peninsula to E Africa	No change, shady habitats						
POACEAE	Ehrharta longiflora J.E.Sm.		Namaqualand to Mossel Bay	No change, damp or shady habitats						
POACEAE	Ehrharta villosa Schult.f. var. villosa	pypgras	St. Helena Bay to Port Elizabeth	No change, coastal dune endemic					1	
POACEAE	Imperata cylindrica (L.) Raeuschel	beddinggras, cotton-wool grass, donsgras, silwergaargras, sygras	tropical African weed	No change, wet habitats						
POACEAE	Pentaschistis barbata (Nees) H.P.Linder subsp. barbata		Elandsbaai to Betty's Bay and Knysna	No change, coastal dune endemic					1	
POACEAE	Pentaschistis pallida (Thunb.) H.P.Linder	duinegras, haasgras	Namaqualand to E Cape	No change, slopes and flats						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
POACEAE	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	common reed, fluitjiesriet	worldwide	No change, marshes, streams and seeps						
POACEAE	<i>Sporobolus virginicus</i> (L.) Kunth	brakgras, brakkweek, sea rush grass	worldwide	No change, dunes, beaches and coastal marshes						
POACEAE	<i>Stipagrostis zeyheri</i> (Nees) De Winter	Cape Bushman grass, steekgras	Namaqualand to Mpumalanga	No change, sandy flats						
POACEAE	<i>Tribolium hispidum</i> (Thunb.) Desv.	haasgras	Namaqualand to E Cape	No change, flats and slopes						
POACEAE	<i>Tribolium uniolae</i> (L.f.) Renvoize	koringgras	Bokkeveld Mts to Port Elizabeth	Southern extension of distribution, Cape endemic					1	1
RESTIONACEAE	<i>Calopsis fruticosa</i> (Mast.) H.P.Linder		Cape Peninsula to Gouritz River mouth (Linder, 2002	No change, coastal limestone endemic					1	
RESTIONACEAE	<i>Calopsis viminea</i> (Rottb.) H.P.Linder		Namaqualand to Port Elizabeth	No change						

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
RESTIONACEAE	<i>Elegia coleura</i> Nees ex Mast.		Cape Peninsula to Humansdorp	No change, Cape flats endemic						
RESTIONACEAE	<i>Elegia microcarpa</i> (Kunth) Pillans		Melkbos to Port Elizabeth	No change, coastal dune and limestone endemic					1	
RESTIONACEAE	<i>Elegia nuda</i> (Rottb.) Kunth		Darling to Albertinia	No change, Cape flats endemic					1	
RESTIONACEAE	<i>Elegia recta</i> (Mast.) Moline & H P Linder		Cape Peninsula to Agulhas	No change, Cape flats endemic					1	
RESTIONACEAE	<i>Elegia tectorum</i> (L.f.) Raf.	besemriet, dakriet, dekriet, olifantriet	Clanwilliam to Port Elizabeth	Southern extension of distribution, marshes and seeps on deep sands, Cape endemic					1	1
RESTIONACEAE	<i>Ischyrolepis capensis</i> (L.) H.P.Linder		Clanwilliam to Port Elizabeth	Southern extension of distribution, mostly clay slopes, Cape endemic					1	1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
RESTIONACEAE	<i>Ischyrolepis eleocharis</i> (Nees ex Mast.) H.P.Linder	katstert, katsterriet	Cape Peninsula to Port Elizabeth	No change, coastal limestone endemic					1	
RESTIONACEAE	<i>Thamnochortus erectus</i> (Thunb.) Mast.	dekriet, jakkalsstert, jakkalssterriet, wyfieriet	Malmesbury to Knysna	No change, Cape endemic					1	
RESTIONACEAE	<i>Thamnochortus obtusus</i> Pillans		Saldanha to Agulhas	No change, coastal flats endemic					1	
RESTIONACEAE	<i>Thamnochortus punctatus</i> Pillans	steenboksriet	Bokkeveld Mts to Cape Peninsula	No change, sandy flats and slopes, Cape endemic					1	
RESTIONACEAE	<i>Thamnochortus spicigerus</i> (Thunb.) Spreng.	dekriet, duineriet, olifantsriet, swarriet	Langebaan to Cape Peninsula	No change, coastal sands, strandveld endemic		1				
RESTIONACEAE	<i>Willdenowia arescens</i> Kunth		Namaqualand to Malmesbury and Worcester	Southern extension to distribution						1

APPENDIX 4.1.3. DISTRIBUTION OF SPECIES RECORDED AT DUYNEFONTEIN: ENDEMICS

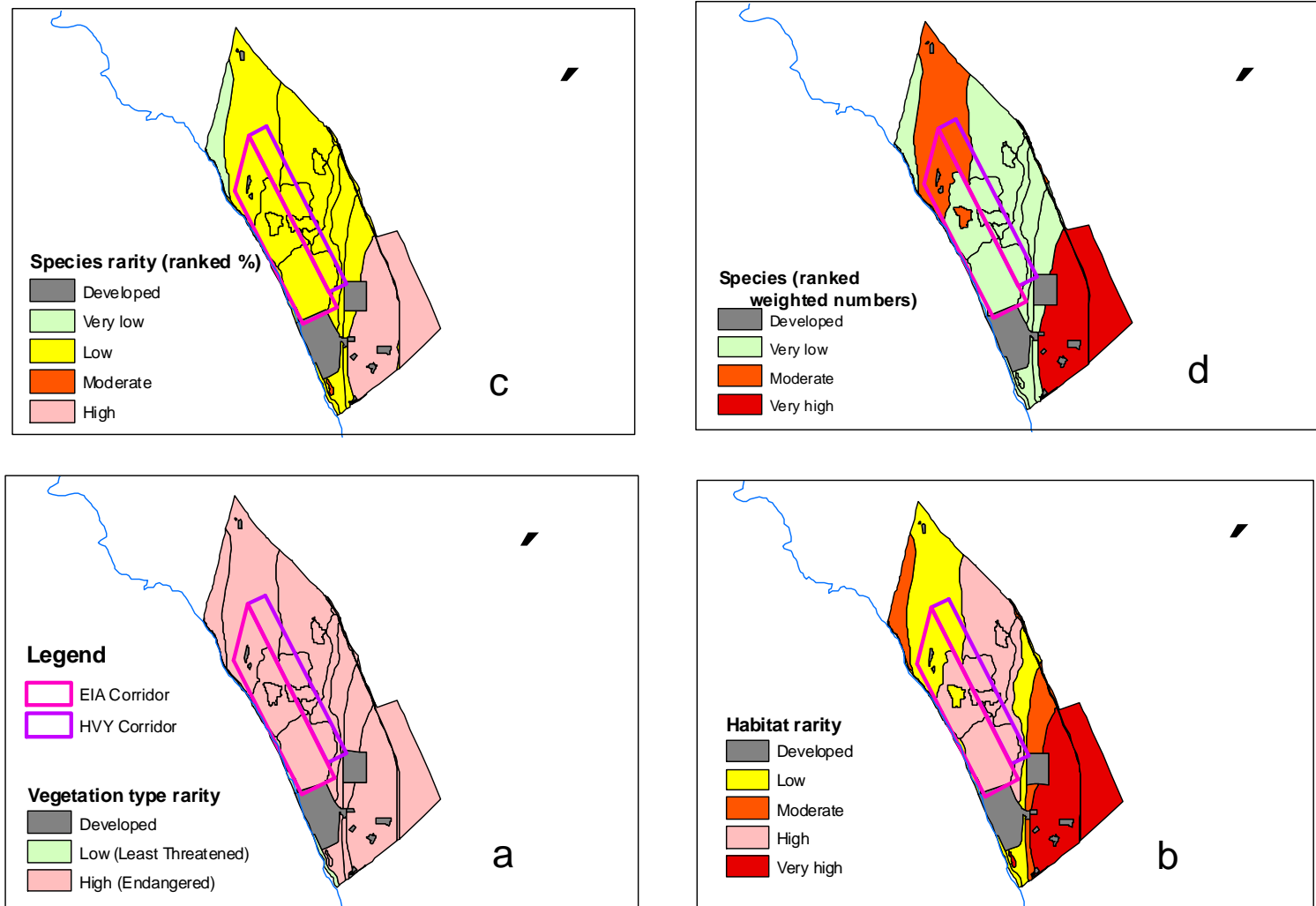
Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemic	Regional and Habitat endemic	Local endemic	Local and Habitat endemic	>100 km range, Habitat endemic	range extension
RESTIONACEAE	<i>Willdenowia incurvata</i> (Thunb.) H.P.Linder	sonkwasriet	Namaqualand to Cape Peninsula	No change, sandy coastal flats						
RESTIONACEAE	<i>Willdenowia sulcata</i> Mast.		Witteberg and Bonteberg	Southern extension of distribution, rocky sandstone soils, endemic					1	1
RESTIONACEAE	<i>Willdenowia teres</i> Thunb.		Ceres to Uniondale	South western extension of distribution, Cape endemic					1	1
TECOPHILAEACEAE	<i>Cyanella hyacinthoides</i> L.	blouraaptol, lady's hand, raaptoluintjie	Namaqualand to Riversdale	No change, clay and granite slopes, often in renosterveld						
TYPHACEAE	<i>Typha capensis</i> (Rohrb.) N.E.Br.	bulrush, matjiesgoed, papkuil	southern and tropical Africa	No change, stream banks and marshes						
TOTAL					2	11	1	7	132	7 6

APPENDIX 4.1.4. CALCULATION OF RARITY & SENSITIVITY AT DUYNEFONTEIN

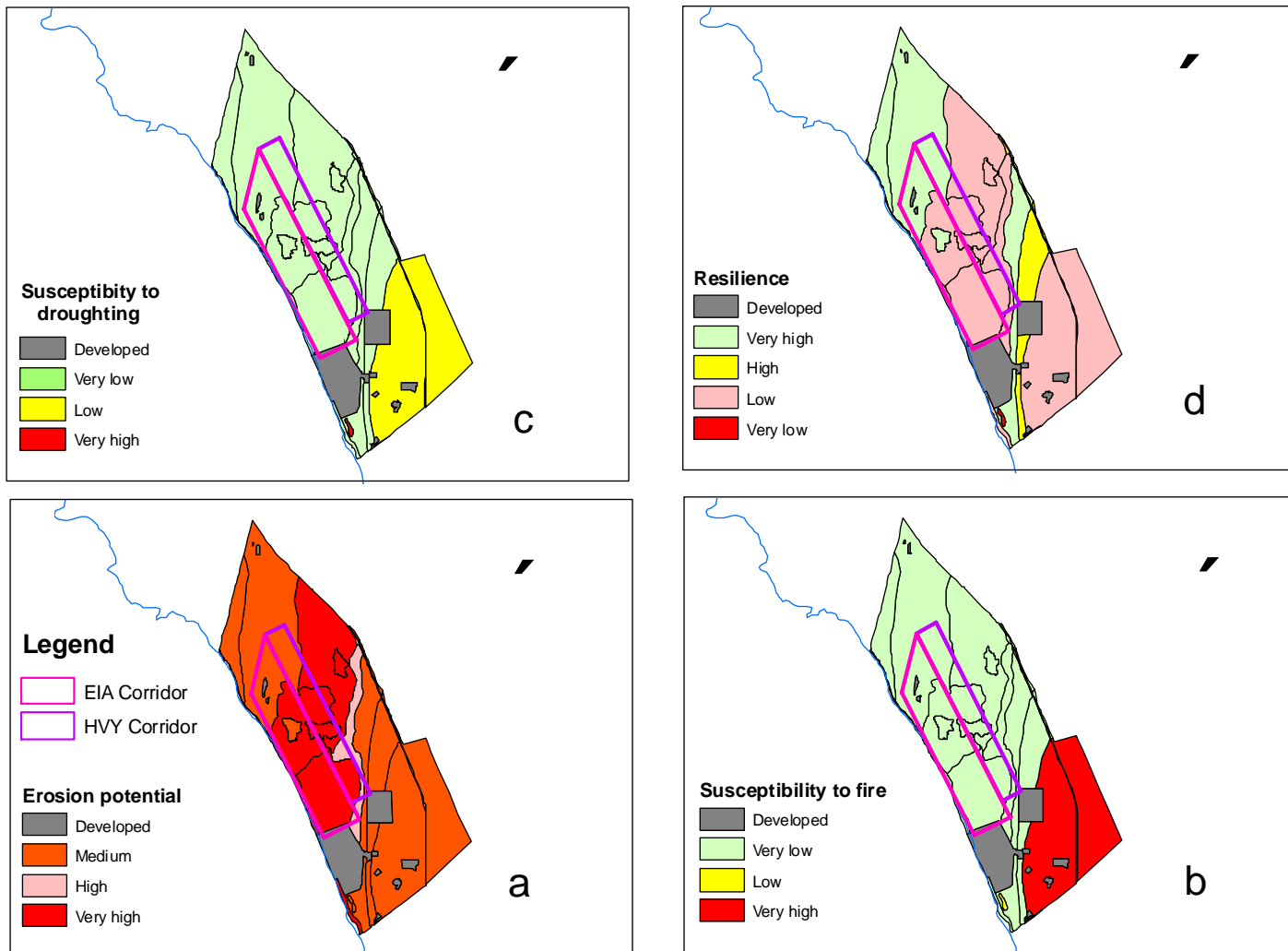
Plant community no.	Description	Plant community	Vegetation type	Rarity										Sensitivity					
				Conservation status	No Red Data species	VegType	Habitat	% RD spp	Species rarity rating	Weighted spp rarity	Weighted spp rarity rating	Overall rarity	Rarity class	Erosion potential	Proneness to fire	Proneness to droughting	Resilience	Total sensitivity	Sensitivity class
K1 & K2	Embryo and foredunes	Primary & foredunes at coast	Cape Seashore Vegetation	LT	3	1	2	5.0	1	8	1	9	2	5	1	1	4	24	4
K3	Unvegetated and vegetated transverse dunes	Dune fynbos and thicket on transverse dunes	Cape Flats Dune Strandveld	E	4	3	4	7.8	2	9	1	20	4	5	1	1	4	24	4
K4	Transition between parabolics and transverse dunes (not sampled – data from transverse dunes used)	Dune fynbos and thicket in transition between transverse and parabolic dunes	Cape Flats Dune Strandveld	E	4	3	4	7.8	2	9	1	20	4	5	1	1	4	24	4
K5	Dwarf thicket in south	Dwarf thicket on southern parabolic dunes	Cape Flats Dune Strandveld	E	3	3	2	4.3	1	7	1	13	3	3	1	1	1	11	2
K6	Dwarf thicket on deflated parabolic dunes in north	Dwarf thicket on northern deflated parabolic dunes	Cape Flats Dune Strandveld	E	1	3	3	1.4	1	3	1	16	4	3	1	1	1	11	2
K7	Tall thicket and fynbos of parabolic dunes in north	Tall dune thicket of parabolics in central and northern parts	Cape Flats Dune Strandveld	E	4	3	2	3.7	1	11	2	13	3	3	1	1	1	11	2
K8	Tall thicket on low parabolic dunes on	Tall thicket on deflated parabolic	Cape Flats Dune Strandveld	E	4	3	3	4.7	1	10	1	16	4	3	1	1	2	14	2

APPENDIX 4.1.4. CALCULATION OF RARITY & SENSITIVITY AT DUYNEFONTEIN

Plant community no.	Description	Plant community	Vegetation type	Rarity										Sensitivity					
				Conservation status	No Red Data species	VegType	Habitat	% RD spp	Species rarity rating	Weighted spp rarity	Weighted spp rarity rating	Overall rarity	Rarity class	Erosion potential	Proneness to fire	Proneness to droughting	Resilience	Total sensitivity	Sensitivity class
	eastern flats	dunes in east																	
K9 (not mapped)	Thicket and fynbos on calcretes	Thicket and fynbos on calcretes & limestone outcrops	Cape Flats Dune Strandveld	E	0	3	4	0.0	0	0	0	18	4	3	3	3	3	21	4
K10	Dune thicket/sand plain fynbos transition on acid to neutral sandy flats		Atlantis Sand Fynbos	E	15	3	5	12.0	3	48	5	24	5	3	5	2	4	25	4
K11	Brack wetland in south		(Cape Inland Salt Pans)	E	2	3	5	6.5	2	6	1	23	5	3	5	5	5	31	5



Appendix 4.1.5. Rarity at Dufnefontein, showing position of proposed nuclear power station footprints. a: vegetation type; b: habitat; c: species (%); d: species (weighted numbers). Rarity calculated from values in Appendix 4.1.4



Appendix 4.1.6. Ecological sensitivity at Dufnefontein, showing proposed nuclear power station footprints. a: erosion potential; b: susceptibility to droughting; c: proneness to fire; d: plant community resilience. Sensitivity calculated from values in Appendix 4.1.4

APPENDIX 4.2.1. PLANT SPECIES RECORDED FROM BANTAMSKLIP: INDIVIDUAL LISTS

NT: Near Threatened; R: Rare, VU: vulnerable EN: Endangered, CR: Critically Endangered

LC: Least Concern; DD: Data Deficient; De: Declining

Report produced by the SaSFLORA database: data (C) Coastec; database design and structures (C) Reuben Roberts 1998-2008

COMMUNITY BK1: ROCKY SHORE

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE
 Tetragonia
 decumbens Mill.

AMARANTHACEAE
 Bassia
 diffusa (Thunb.) Kuntze

APIACEAE
 Torilis
 arvensis (Huds.) Link

APOCYNACEAE
 Cynanchum
 obtusifolium L.f.

ASTERACEAE
 Arctotheca
 calendula (L.) Levyns
 Chrysanthemoides
 monilifera (L.) Norl.
 Cineraria
 cf. geifolia (L.) L.
 Cotula
 turbinata L.
 Helichrysum
 cf. dasyanthum (Willd.) Sweet
 Metalasia
 cf. muricata (L.) D.Don.
 Senecio
 elegans L.
 cf. maritimus L.

CARYOPHYLLACEAE
 Silene
 bellidioides Sond.

CRASSULACEAE
 Crassula
 cf. glomerata P.J.Bergius

EBENACEAE
 Euclea
 racemosa Murray

LAMIACEAE
 Salvia
 africana-lutea L.

MESEMBRYANTHEMACEAE
 Carpobrotus
 acinaciformis (L.) L.Bolus LC
 Drosanthemum
 candens (Haw.) Schwantes
 Mesembryanthemum
 vanrensborgii (L.Bolus) Klak NT
 Ruschia
 macowanii (L.Bolus) Schwantes

RHAMNACEAE
 Phytolacca
 ericoides L.

THYMELAEACEAE
 Passerina
 cf. rigida Wikstr.

POACEAE
 Cynodon
 dactylon (L.) Pers.
 Sporobolus
 virginicus (L.) Kunth
 Stenotaphrum
 secundatum (Walter) Kuntze

Total named species:	29
Total genera:	27
Total families:	15
Total red data species:	1
Total introduced species:	1

Division: Anthophyta

Class: Monocotyledones

ASPHODELACEAE
 Trachyantha
 ciliata (L.f.) Kunth LC
 divaricata (Jacq.) Kunth

COMMUNITY BK2: PRIMARY DUNES

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE
Tetragonia
decumbens Mill.

ASTERACEAE
Arctotheca
populifolia (P.J.Bergius) Norl.
Chrysanthemoides
monilifera (L.) Norl.
Cineraria
cf. geifolia (L.) L.
Cotula
cf. turbinata L.
Helichrysum
cf. patulum (L.) D.Don.
Metalasia
cf. muricata (L.) D.Don.
Senecio
elegans L.
cf. maritimus L.

CARYOPHYLLACEAE
Silene
crassifolia L.

CRASSULACEAE
Crassula
cf. glomerata P.J.Bergius

FABACEAE
Psoralea
repens L. NT

GENTIANACEAE
Chironia
baccifera L.

MESEMBRYANTHEMACEAE
Carpobrotus
acinaciformis (L.) L.Bolus LC

MYRICACEAE
Morella
cordifolia (L.) Killick

RHAMNACEAE
Phytica
ericoides L.

SCROPHULARIACEAE
Lyperia
lychnidea (L.) Druce

THYMELAEACEAE
Passerina
cf. paleacea Wikstr.

Total named species:	23
Total genera:	22
Total families:	14
Total red data species:	1
Total introduced species:	1

Division: Anthophyta

Class: Monocotyledones

ASPHODELACEAE
Trachyandra
divaricata (Jacq.) Kunth

CYPERACEAE
Issolepis
antarctica (L.) Roem. & Schult.

POACEAE
Ehrharta
villosa Schult.f. var. villosa
Sporobolus
virginicus (L.) Kunth

COMMUNITY BK3: FOREDUNES

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE
Tetragonia
decumbens Mill.

ASTERACEAE
Arctotheca
calendula (L.) Levyns
Chrysanthemoides
monilifera (L.) Norl.
Chrysocoma
cf. coma-aurea L.
Cotula
turbinata L.
Felicia
tenella (L.) Nees subsp. longifolia (DC.) Grau
Helichrysum
crispum (L.) D.Don.
cf. patulum (L.) D.Don.
Metalasia
cf. muricata (L.) D.Don.
Senecio
cf. arenarius Thunb.
elegans L.
Ursinia
cf. tenuifolia (L.) Poir.

CARYOPHYLLACEAE
Silene
crassifolia L.

CRASSULACEAE
Crassula
cf. glomerata P.J.Bergius

FABACEAE
Psoralea
repens L. NT

GENTIANACEAE
Chironia
baccifera L.

GERANIACEAE
Pelargonium
capitatum (L.) L'Hér.

MESEMBRYANTHEMACEAE
Carpobrotus
acinaciformis (L.) L.Bolus LC
Mesembryanthemum
canaliculatum Haw.
Ruschia
macowanii (L.Bolus) Schwantes

MYRICACEAE
Morella
cordifolia (L.) Killick

RHAMNACEAE
Phytolacca
ericoides L.

SCROPHULARIACEAE
Lyperia
lychnidea (L.) Druce

SOLANACEAE
Solanum
africanum Mill. LC

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE
Brunsvigia
orientalis (L.) Aiton ex Eckl.

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ASPHODELACEAE
Trachyandra
divaricata (Jacq.) Kunth

CYPERACEAE
Ficinia
cf. lateralis (Vahl) Kunth
nodosa (Rottb.) Goetgh.
Isolepis
cf. antarctica (L.) Roem. & Schult.

HYACINTHACEAE
Albuca
juncifolia Baker

POACEAE
Ehrharta
villosa Schult.f. var. villosa

Total named species:	34
Total genera:	31
Total families:	18
Total red data species:	1
Total introduced species:	1

COMMUNITY BK4: TRANSVERSE DUNES

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

Rhus

- glauca Thunb.
- laevigata L.f.

ASTERACEAE

Chrysanthemoides

- monilifera (L.) Norl.

Chrysocoma

- cf. coma-aurea L.

Helichrysum

- crispum (L.) D.Don.
- niveum (L.) Less.

Metalasia

- cf. muricata (L.) D.Don.

Senecio

- arniciflorus DC.
- burchellii DC.
- elegans L.

CAMPANULACEAE

Wahlenbergia

- tenella (L.f.) Lammers

FABACEAE

Aspalathus

- cf. forbesii Harv.

MESEMBRYANTHEMACEAE

Carpobrotus

- acinaciformis (L.) L.Bolus LC

MYRICACEAE

Morella

- cordifolia (L.) Killick
- quercifolia (L.) Killick

POLYGALACEAE

Muraltia

- satureioides DC.

THYMELAEACEAE

Passerina

- cf. paleacea Wikstr.

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

Ficinia

- lateralis (Vahl) Kunth

Isolepis

- cf. antarctica (L.) Roem. & Schult.

POACEAE

Ehrharta

- villosa Schult.f.

Pentaschistis

- calcicola H P Linder

Tribolium

- hispidum (Thunb.) Desv.

RESTIONACEAE

Ischyrolepis

- eleocharis (Nees ex Mast.) H.P.Linder

Total named species: 25

Total genera: 20

Total families: 11

Total red data species: 0

Total introduced species: 1

Nuclear 1 EIA and EMP

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COMMUNITY BK5: DWARF COASTAL THICKET

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE

- Pharnaceum
 thunbergii Adamson
- Tetragonia
 fruticosa L.

ANACARDIACEAE

- Rhus
 glauca Thunb.

APIACEAE

- Capnophyllum
 cf. africanum (L.) Gaertn. NT

APOCYNACEAE

- Cynanchum
 cf. africanum (L.) Hoffmanns.

ASTERACEAE

- Cineraria
 cf. geifolia (L.) L.
- Cotula
 turbinata L.
- Dimorphotheca
 pluvialis (L.) Moench
- Felicia
 amoena (Sch.Bip.) Levyns subsp. *latifolia* Grau
- Helichrysum
 cf. cochleariforme DC. NT
 cf. dasyanthum (Willd.) Sweet
 pandurifolium Schrank
 patulum (L.) D.Don.
- Metalasia
 muricata (L.) D.Don.
- Senecio
 cf. arenarius Thunb.
 elegans L.
- Vellereophyton
 dealbatum (Thunb.) Hilliard

CARYOPHYLLACEAE

- Silene
 bellidioides Sond.

CELASTRACEAE

- Cassine
 peragua L.
- Pterocelastrus
 tricuspidatus (Lam.) Sond. LC

CRASSULACEAE

- Crassula
 expansa Dryand. subsp. *filicaulis* (Haw.) Tölken

EBENACEAE

- Euclea
 racemosa Murray

FABACEAE

- Indigofera
 brachystachya (DC.) E.Mey.
- Otholobium
 bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

GENTIANACEAE

- Chironia
 baccifera L.

LAMIACEAE

- Salvia
 africana-lutea L.

MESEMBRYANTHEMACEAE

- Carpobrotus
 cf. acinaciformis (L.) L.Bolus LC

Jordaaniella

- dubia* (Haw.) H.E.K.Hartmann LC

Ruschia

- macowanii* (L.Bolus) Schwantes

PLUMBAGINACEAE

- Limonium
 scabrum (Thunb.) Kuntze

POLYGONACEAE

- Rumex
 cf. acetosella L. subsp. *angiocarpus* (Murb.) Murb.

RHAMNACEAE

- Phytica
 ericoides L.

RUBIACEAE

- Anthospermum
 prostratum Sond.

- Galium
 tomentosum Thunb.

RUTACEAE

- Agathosma
 serpyllacea Licht. ex Roem. & Schult. LC

SAPOTACEAE

- Sideroxylon
 inerme L. subsp. *inerme*

SCROPHULARIACEAE

- Chaenostoma
 hispidum (Thunb.) Druce
- Dischisma
 ciliatum (P.J.Bergius) Choisy subsp. *erinoides* (L.f.)

Roessler

- Zaluzianskya
 villosa F.W.Schmidt

THYMELAEACEAE

- Passerina
 cf. paleacea Wikstr.
 cf. rigida Wikstr.

ZYGOPHYLLACEAE

- Roepera
 flexuosum Eckl. & Zeyh.
 fuscata Van Zyl VU

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

- Brunsvigia
 cf. orientalis (L.) Aiton ex Eckl.
- Haemanthus
 cf. coccineus L.

ASPARAGACEAE

- Asparagus
 aethiopicus L.

CYPERACEAE

- Ficinia
 ramosissima Kunth

HAEMODORACEAE

- Wachendorfia
 paniculata Burm.

IRIDACEAE

- Chasmanthe
 cf. aethiopica (L.) N.E.Br.

ORCHIDACEAE

- Satyrium
 carneum (Dryand.) Sims NT

POACEAE

- Ehrharta
 calycina Sm.
 villosa Schult.f.

COMMUNITY BK5: DWARF COASTAL THICKET (contd.)

Tribolium
 hispidum (Thunb.) Desv.
RESTIONACEAE
 Ischyrolepis
 eleocharis (Nees ex Mast.) H.P.Linder

Total named species:	54
Total genera:	47
Total families:	30
Total red data species:	4
Total introduced species:	0

BANTAMSKLIP – COMMUNITY BK6: THICKET ON CALCAREOUS SAND

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE

- Pharnaceum
 - thunbergii Adamson
- Tetragonia
 - fruticosa L.

ANACARDIACEAE

- Rhus
 - glauca Thunb.
 - laevigata L.f.
 - lucida L.

APIACEAE

- Arctopus
 - echinatus L.
- Torilis
 - arvensis (Huds.) Link

APOCYNACEAE

- Carissa
 - bispinosa (L.) Desf. ex Brenan
- Cynanchum
 - obtusifolium L.f.

ASTERACEAE

- Athanasia
 - cf. dentata (L.) L.
- Chrysanthemoides
 - monilifera (L.) Norl.
- Cineraria
 - geifolia (L.) L.
- Cotula
 - cf. turbinata L.
- Helichrysum
 - dasyanthum (Willd.) Sweet
 - cf. pandurifolium Schrank
 - patulum (L.) D.Don.

- Metalasia
 - cf. densa (Lam.) Karis

- Senecio
 - elegans L.
 - halimifolius L.

CELASTRACEAE

- Cassine
 - peragua L.
- Gymnosporia
 - buxifolia (L.) Szyszyl.
- Pterocelastrus
 - tricuspidatus (Lam.) Sond. LC
- Putterlickia
 - pyracantha (L.) Szyszyl.

CRASSULACEAE

- Crassula
 - dichotoma L.
 - expansa Dryand. subsp. filicaulis (Haw.) Tölken

EBENACEAE

- Euclea
 - racemosa Murray

FABACEAE

- Aspalathus
 - cf. hispida Thunb.
- Lessertia
 - frutescens (L.) Goldblatt & J.C.Manning
- Otholobium
 - bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

GENTIANACEAE

- Chironia
 - baccifera L.

GERANIACEAE

- Geranium
 - incanum Burm.f.
- Pelargonium
 - alchemilloides (L.) L'Hér.

LAMIACEAE

- Salvia
 - africana-lutea L.

LAURACEAE

- Cassytha
 - cf. ciliolata Nees

MALVACEAE

- Hermannia
 - trifoliata L. LC

MESEMBRYANTHEMACEAE

- Carpobrotus
 - acinaciformis (L.) L.Bolus LC

MYRSINACEAE

- Myrsine
 - africana L.

OLEACEAE

- Chionanthus
 - foveolatus (E.Mey.) Stearn
- Olea
 - exasperata Jacq.

POLYGALACEAE

- Muraltia
 - cf. satireioides DC.
- Nylandtia
 - spinosa (L.) Dumort.
- Polygala
 - garcinii DC.
 - myrtifolia L.

PROTEACEAE

- Leucadendron
 - coniferum (L.) Meisn VU

RANUNCULACEAE

- Knowltonia
 - vesicatoria (L.f.) Sims

RUBIACEAE

- Anthospermum
 - cf. aethiopicum L.

RUTACEAE

- Agathosma
 - cerefolium (Vent.) Bartl. & H.L.Wendl. LC

SANTALACEAE

- Osyris
 - compressa (P.J.Bergius) A.DC.
- Thesium
 - subnudum Sond.

SAPOTACEAE

- Sideroxylon
 - inerme L. subsp. inerme

SCROPHULARIACEAE

- Chaenostoma
 - cf. hispidum (Thunb.) Druce
- Dischisma
 - cf. ciliatum (P.J.Bergius) Choisy
- Nemesia
 - affinis Benth.
- Zaluzianskya
 - villosa F.W.Schmidt

THYMELAEACEAE

- Passerina
 - corymbosa Eckl. ex C.H.Wright
 - paleacea Wikstr.
- Struthiola
 - striata Lam.

**BANTAMSKLIP – COMMUNITY BK6:
THICKET ON CALCAREOUS SAND
(contd.)**

Division: Anthophyta
Class: Monocotyledones

AMARYLLIDACEAE

- Brunsvigia
 - cf. *orientalis* (L.) Aiton ex Eckl.
- Haemanthus
 - coccineus* L.

ASPARAGACEAE

- Asparagus
 - aethiopicus* L.
 - asparagoides* (L.) Druce

ASPHODELACEAE

- Trachyandra
 - revoluta* (L.) Kunth

CYPERACEAE

- Ficinia
 - ramosissima* Kunth
 - secunda* (Vahl) Kunth
- Hellmuthia
 - membranacea* (Thunb.) R.Haynes & K.Lye
- Isolepis
 - cf. *antarctica* (L.) Roem. & Schult.

HYACINTHACEAE

- Albuca
 - juncifolia* Baker

IRIDACEAE

- Chasmanthe
 - aethiopica* (L.) N.E.Br.
- Moraea
 - cf. *bulbillifera* (G.J.Lewis) Goldblatt
 - fugax* (D.Delaroche) Jacq.
 - tripetala* (L.f.) Ker Gawl.
- Romulea
 - dichotoma* (Thunb.) Baker

ORCHIDACEAE

- Bonatea
 - speciosa* (L.f.) Willd. var. *speciosa* LC
- Satyrium
 - carneum* (Dryand.) Sims NT

POACEAE

- Cymbopogon
 - marginatus* (Steud.) Stapf ex Burtt Davy
- Ehrharta
 - calycina* Sm.
 - villosa* Schult.f.
- Tribolium
 - hispidum* (Thunb.) Desv.

RESTIONACEAE

- Elegia
 - microcarpa* (Kunth) Pillans
- Hypodiscus
 - procurrens* Esterh. E
- Ischyrolepis
 - eleocharis* (Nees ex Mast.) H.P.Linder
- Thamnochortus
 - cf. *erectus* (Thunb.) Mast.

Total named species: 84
Total genera: 71
Total families: 35
Total red data species: 3
Total introduced species: 1

COMMUNITY BK7: FOREST ON LIMESTONE

Division: Pteridophyta

ASPLENIACEAE
Asplenium
 adiantum-nigrum L.
PTERIDACEAE
Adiantum
 aethiopicum L.
Cheilanthes
 cf. capensis (Thunb.) Sw.

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE
Rhus
 lucida L.
APOCYNACEAE
Carissa
 bispinosa (L.) Desf. ex Brenan
Cynanchum
 cf. obtusifolium L.f.
CELASTRACEAE
Gymnosporia
 buxifolia (L.) Szyszyl.
Lauridia
 tetragona (L.f.) R.H.Archer
Maytenus
 procumbens (L.f.) Loes.
CELTIDACEAE
Celtis
 africana Burm.f.
CUCURBITACEAE
Kedrostis
 nana (Lam.) Cogn.
MYRSINACEAE
Myrsine
 africana L.
OLEACEAE
Chionanthus
 foveolatus (E.Mey.) Stearn
RANUNCULACEAE
Knowltonia
 vesicatoria (L.f.) Sims
SAPOTACEAE
Sideroxylon
 inerme L. subsp. inerme
SCROPHULARIACEAE
Chaenostoma
 hispidum (Thunb.) Druce
URTICACEAE
Droguetia
 iners (Forssk.) Schweinf.

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE
Haemanthus
 cf. coccineus L.
ARACEAE
Zantedeschia
 aethiopica (L.) Spreng.

ASPARAGACEAE

Asparagus
 aethiopicus L.
 scandens Thunb.

CYPERACEAE

Schoenoxiphium
 cf. lanceum (Thunb.) Kuk.

IRIDACEAE

Chasmanthe
 cf. aethiopica (L.) N.E.Br.

POACEAE

Ehrharta
 erecta Lam.
Stipa
 dregeana Steud.

Total named species:	25
Total genera:	24
Total families:	19
Total red data species:	0
Total introduced species:	0

COMMUNITY BK8: FYNBOS ON DEEP CALCAREOUS SAND OVER LIMESTONE

Division: Anthophyta
Class: Dicotyledones

APOCYNACEAE

Astephanus
triflorus (L.f.) Schult.

ASTERACEAE

Athanasia
quinquedentata Thunb.
Chrysanthemoides
monilifera (L.) Norl.
Disparago
cf. ericoides (P.J.Bergius) Gaertn.
Gazania
cf. krebsiana Less.
Helichrysum
cf. cochleariforme DC. NT
cf. dasyanthum (Willd.) Sweet
niveum (L.) Less.
retortum (L.) Willd.

Metalasia

cf. brevifolia (Lam.) Levyns
densa (Lam.) Karis

Oedera

capensis (L.) Druce

Othonna

filicaulis Jacq.

Senecio

cf. arenarius Thunb.
arniciflorus DC.
elegans L.

Vellereophyton

dealbatum (Thunb.) Hilliard

CAMPANULACEAE

Wahlenbergia
calcareo (Adamson) Lammers
tenella (L.f.) Lammers

CELASTRACEAE

Cassine
peragua L.
Pterocelastrus
tricuspidatus (Lam.) Sond. LC

CRASSULACEAE

Crassula
dichotoma L.
expansa Dryand. subsp. expansa
subulata L. var. subulata

EBENACEAE

Euclea
racemosa Murray

ERICACEAE

Erica
coccinea L.

FABACEAE

Lessertia
miniata T.M.Salter
Otholobium
bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

GENTIANACEAE

Chironia
baccifera L.

GERANIACEAE

Pelargonium
betulinum (L.) L'Hér.
myrrhifolium (L.) L'Hér.

MALVACEAE

Hermannia
trifoliata L. LC

MESEMBRYANTHEACEAE

Carpobrotus
cf. acinaciformis (L.) L.Bolus LC
Drosanthemum
intermedium (L.Bolus) L.Bolus
Lampranthus
fergusoniae (L.Bolus) L.Bolus VU

MYRICACEAE

Morella
quercifolia (L.) Killick

OLEACEAE

Olea
exasperata Jacq.

POLYGALACEAE

Muraltia
satureioides DC.

RHAMNACEAE

Phylca
dodii N.E. Br.
ericoides L.

RUBIACEAE

Anthospermum
spathulatum Spreng.

RUTACEAE

Agathosma
cerefolium (Vent.) Bartl. & H.L.Wendl. LC
dielsiana Schltr. ex Dümmer LC
geniculata Pillans NT

Diosma

awilana I.Williams VU

SANTALACEAE

Osyris
compressa (P.J.Bergius) A.DC.
Thesium
aggregatum A.W.Hill

SCROPHULARIACEAE

Jamesbrittenia
albomarginata Hilliard
Manulea
caledonica Hilliard NT

Nemesia
cf. affinis Benth.

Selago

polystachya L.
scabrida Thunb.

Zaluzianskya

capensis (L.) Walp.
villosa F.W.Schmidt

THYMELAEACEAE

Passerina
rigida Wikstr.

Division: Anthophyta
Class: Monocotyledones

ASPARAGACEAE

Asparagus
stipulaceus Lam. NT

CYPERACEAE

Ficinia
bulbosa (L.) Nees
ramosissima Kunth

**COMMUNITY BK8: FYNBOS ON DEEP
CALCAREOUS SAND OVER
LIMESTONE (contd.)**

Tetrasia
 brachyphylla Levyns NT
 exilis Levyns DD
 HYACINTHACEAE
 Albuca
 juncifolia Baker
 IRIDACEAE
 Aristeia
 africana (L.) Hoffmanns.
 Moraea
 tripetala (L.f.) Ker Gawl.
 ORCHIDACEAE
 Satyrium
 carneum (Dryand.) Sims NT
 cf. ligulatum Lindl.
 POACEAE
 Aristida
 cf. junciformis Trin. & Rupr.
 Hyparrhenia
 hirta (L.) Stapf
 Koeleria
 capensis (Steud.) Nees
 Pentaschistis
 cf. calcicola H P Linder
 Stipagrostis
 cf. zeyheri (Nees) De Winter
 Tribolium
 hispidum (Thunb.) Desv.
 RESTIACEAE
 Calopsis
 fruticosa (Mast.) H.P.Linder
 Ischyrolepis
 eleocharis (Nees ex Mast.) H.P.Linder

Total named species: 73
Total genera: 55
Total families: 28
Total red data species: 8
Total introduced species: 0

COMMUNITY BK9A: FYNBOS ON COASTAL LIMESTONE

Division: Anthophyta

Class: Dicotyledones

ASTERACEAE

- Chrysanthemoides monilifera (L.) Norl.
- Chrysocoma coma-aurea L.
- Cotula cf. turbinata L.
- Felicia tenella (L.) Nees subsp. longifolia (DC.) Grau
- Helichrysum cf. dasyanthum (Willd.) Sweet
cf. patulum (L.) D.Don.
cf. retortum (L.) Willd.
- Metalasia cf. muricata (L.) D.Don.
- Nidorella cf. auriculata DC.
- Senecio cf. arenarius Thunb.
arniciflorus DC.
pillansii Levyns Th
- Ursinia tenuifolia (L.) Poir.

CAMPANULACEAE

- Lobelia comosa L.

CARYOPHYLLACEAE

- Herniaria capensis Bartl.

CONVOLVULACEAE

- Falkia repens L.f.

CRASSULACEAE

- Crassula cf. glomerata P.J.Bergius

EBENACEAE

- Euclea racemosa Murray

FABACEAE

- Aspalathus forbesii Harv.
- Otholobium bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

- Psoralea repens L. NT

GERANIACEAE

- Pelargonium capitatum (L.) L'Hér.
grossularioides (L.) L'Hér.

LINACEAE

- Linum africanum L.

MESEMBRYANTHEMACEAE

- Carpobrotus cf. acinaciformis (L.) L.Bolus LC
- Mesembryanthemum canaliculatum Haw.

MYRICACEAE

- Morella cordifolia (L.) Killick

POLYGALACEAE

- Muraltia satireioides DC.

RHAMNACEAE

- Phylla ericoides L.

Division: Anthophyta

Class: Monocotyledones

ASPHODELACEAE

- Trachyandra divaricata (Jacq.) Kunth

CYPERACEAE

- Ficinia nodosa (Rottb.) Goetgh.
- Hellmuthia membranacea (Thunb.) R.Haynes & K.Lye
- Schoenus nigricans L.

IRIDACEAE

- Aristea africana (L.) Hoffmanns.

JUNCACEAE

- Juncus kraussii Hochst. subsp. kraussii LC

ORCHIDACEAE

- Satyrium carneum (Dryand.) Sims NT
ligulatum Lindl.

POACEAE

- Ehrharta villosa Schult.f. var. villosa
- Imperata cylindrica (L.) Raeuschel
- Merxmuellera cincta (Nees) Conert
- Pentstemon cf. calcicola H P Linder
- Stenotaphrum secundatum (Walter) Kuntze

RESTIONACEAE

- Elegia tectorum (L.f.) Raf.
- Ischyrolepis eleocharis (Nees ex Mast.) H.P.Linder

Total named species:	44
Total genera:	38
Total families:	20
Total red data species:	3
Total introduced species:	0

COMMUNITY BK9B: FYNBOS ON COASTAL LIMESTONE

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

- Rhus
 - glauca Thunb.
 - laevigata L.f.

APIACEAE

- Arctopus
 - cf. echinatus L.

ASTERACEAE

- Arctotheca
 - calendula (L.) Levyns
- Disparago
 - cf. anomala Schltr. ex Levyns
- Gazania
 - cf. krebsiana Less.
- Helichrysum
 - cochleariforme DC. NT
 - cf. dasyanthum (Willd.) Sweet
- Metalasia
 - cf. brevifolia (Lam.) Levyns
 - densa (Lam.) Karis
- Senecio
 - arniciflorus DC.
 - pillansii Levyns Th
 - triqueter DC.

Syncarpha

- argyropsis (DC.) B.Nord.
- Vellereophyton
 - dealbatum (Thunb.) Hilliard

CAMPANULACEAE

- Wahlenbergia
 - calcareae (Adamson) Lammers

CELASTRACEAE

- Pterocelastrus
 - tricuspidatus (Lam.) Sond. LC

CONVOLVULACEAE

- Falkia
 - repens L.f.

CRASSULACEAE

- Crassula
 - expansa Dryand. subsp. expansa
 - subulata L. var. subulata

EBENACEAE

- Euclea
 - racemosa Murray

ERICACEAE

- Erica
 - coccinea L.

FABACEAE

- Indigofera
 - brachystachya (DC.) E.Mey.
- Lessertia
 - miniata T.M.Salter
- Otholobium
 - bracteolatum (Eckl. & Zeyh.) C.H.Stirt.

GENTIANACEAE

- Sebaea
 - aurea (L.f.) Sm.

GERANIACEAE

- Pelargonium
 - betulinum (L.) L'Hér.
 - myrrhifolium (L.) L'Hér.

LAURACEAE

- Cassytha
 - cf. ciliolata Nees

MALVACEAE

- Hermannia
 - trifoliata L. LC

MESEMBRYANTHEMACEAE

- Drosanthemum
 - intermedium (L.Bolus) L.Bolus
- Lampranthus
 - fergusoniae (L.Bolus) L.Bolus VU

MYRICACEAE

- Morella
 - quercifolia (L.) Killick

PLUMBAGINACEAE

- Limonium
 - cf. scabrum (Thunb.) Kuntze

POLYGALACEAE

- Muraltia
 - satureioides DC.

POLYGONACEAE

- Rumex
 - cordatus Poir.

RHAMNACEAE

- Phyllica
 - ericoides L.

RUBIACEAE

- Anthospermum
 - cf. aethiopicum L.

RUTACEAE

- Agathosma
 - dielsiana Schltr. ex Dümmer LC

SCROPHULARIACEAE

- Chaenostoma
 - subspicatum Benth.

Selago

- diffusa Thunb. VU
- Zaluzianskya
 - capensis (L.) Walp.

THYMELAEACEAE

- Passerina
 - cf. rigida Wikstr.
- Struthiola
 - dodecandra (L.) Druce

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

- Brunsvigia
 - cf. orientalis (L.) Aiton ex Eckl.

ASPARAGACEAE

- Asparagus
 - stipulaceus Lam. NT

CYPERACEAE

- Ficinia
 - ramosissima Kunth

Tetrapia

- exilis Levyns DD

HAEMODORACEAE

- Wachendorfia
 - cf. paniculata Burm.

HYACINTHACEAE

- Albuca
 - juncifolia Baker

COMMUNITY BK9B: FYNBOS ON COASTAL LIMESTONE (contd.)

IRIDACEAE

- Aristea
africana (L.) Hoffmanns.
- Ferraria
crispa Burm.
- Moraea
tripetala (L.f.) Ker Gawl.

ORCHIDACEAE

- Satyrium
cameum (Dryand.) Sims NT
ligulatum Lindl.

POACEAE

- Cymbopogon
marginatus (Steud.) Stapf ex Burtt Davy
- Pentaschistis
calvicola H P Linder

RESTIONACEAE

- Calopsis
fruticosa (Mast.) H.P.Linder
- Elegia
microcarpa (Kunth) Pillans
- Thamnochortus
fraternus Pillans NT

Total named species:	60
Total genera:	52
Total families:	33
Total red data species:	7
Total introduced species:	0

COMMUNITY BK9C: FYNBOS ON COASTAL LIMESTONE

Division: Anthophyta

Class: Dicotyledones

ASTERACEAE

- Chrysanthemoides
 - monilifera (L.) Norl.
- Gnaphalium
 - pauciflorum DC.
- Helichrysum
 - cf. dasyanthum (Willd.) Sweet
 - retortum (L.) Willd.
- Metalasia
 - brevifolia (Lam.) Levyns
 - cf. muricata (L.) D.Don.
- Senecio
 - cf. arenarius Thunb.
 - arniciflorus DC.
 - elegans L.
 - pillansii Levyns Th
- Ursinia
 - tenuifolia (L.) Poir.
- Vellereophyton
 - dealbatum (Thunb.) Hilliard

CAMPANULACEAE

- Wahlenbergia
 - tenella (L.f.) Lammers

CRASSULACEAE

- Crassula
 - cf. glomerata P.J.Bergius

ERICACEAE

- Erica
 - coccinea L.

FABACEAE

- Lessertia
 - cf. miniata T.M.Salter
- Psoralea
 - repens L. NT

GENTIANACEAE

- Chironia
 - baccifera L.

LINACEAE

- Linum
 - africanum L.

MESEMBRYANTHEMACEAE

- Carpobrotus
 - acinaciformis (L.) L.Bolus LC

MYRICACEAE

- Morella
 - cordifolia (L.) Killick
 - quercifolia (L.) Killick

POLYGALACEAE

- Muraltia
 - satureioides DC.

THYMELAEACEAE

- Passerina
 - cf. rigida Wikstr.

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

- Isolepis
 - cf. antarctica (L.) Roem. & Schult.
- Tetralia
 - cuspidata (Rottb.) C.B.Clarke

ORCHIDACEAE

- Corycium
 - cf. orobanchoides (L.f.) Sw. LC
- Disa
 - densiflora (Lindl.) Bolus
- Satyrium
 - carneum (Dryand.) Sims NT

POACEAE

- Pentaschistis
 - pallida (Thunb.) H.P.Linder LC
- Sporobolus
 - cf. virginicus (L.) Kunth

RESTIONACEAE

- Ischyrolepis
 - eleocharis (Nees ex Mast.) H.P.Linder
- Restio
 - triticeus Rottb.

Total named species: 34

Total genera: 28

Total families: 15

Total red data species: 3

Total introduced species: 0

COMMUNITY BK10: FYNBOS ON INLAND LIMESTONE

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

- Rhus
 - glauca Thunb.
 - laevigata L.f.
 - lucida L.

APOCYNACEAE

- Carissa
 - bispinosa (L.) Desf. ex Brenan

ASTERACEAE

- Berkheya
 - cf. coriacea Harv.
- Dimorphotheca
 - nudicaulis (L.) DC. var. nudicaulis
- Felicia
 - aethiopica (Burm.f.) Adamson & T.M.Salter subsp. aethiopica
- Gazania
 - pectinata (Thunb.) Hartweg
- Haplocarpha
 - lanata (Thunb.) Less.
- Helichrysum
 - patulum (L.) D.Don.
- Metalasia
 - cf. densa (Lam.) Karis
 - umbelliformis P.O.Karis V
- Oedera
 - imbricata Lam.
- Othonna
 - quinquedentata DC.
- Senecio
 - arenarius Thunb.
- Syncarpha
 - cf. paniculata (L.) B.Nord.

BRASSICACEAE

- Erucastrum
 - strigosum (Thunb.) O.E.Schulz

CAMPANULACEAE

- Wahlenbergia
 - thunbergii (Schult.) B.Nord.

CELASTRACEAE

- Cassine
 - peragua L.

EBENACEAE

- Euclea
 - racemosa Murray

ERICACEAE

- Erica
 - calcareophila E.G.H.Oliv. VU
 - nudiflora L.
 - occulta E.G.H.Oliv. VU
 - propinqua Guthrie & Bolus

FABACEAE

- Amphithalea
 - biovulata (Bolus) Granby LC
 - cf. ericifolia (L.) Eckl. & Zeyh. subsp. ericifolia
- Aspalathus
 - ciliaris L.
 - hispida Thunb.
 - sericea P.J. Bergius LC
- Indigofera
 - brachystachya (DC.) E.Mey.

GERANIACEAE

- Pelargonium
 - betulinum (L.) L'Hér.

LAURACEAE

- Cassytha
 - ciliolata Nees

MALVACEAE

- Hermannia
 - trifoliata L. LC

MESEMBRYANTHEMACEAE

- Lampranthus
 - ceriseus (L.Bolus) L.Bolus VU

MYRICACEAE

- Morella
 - quercifolia (L.) Killick

OLEACEAE

- Olea
 - capensis L. subsp. capensis
 - exasperata Jacq.

OROBANCHACEAE

- Hyobanche
 - sanguinea L.

POLYGALACEAE

- Muraltia
 - divaricata Eckl. & Zeyh.
- Polygala
 - meridionalis Levyns
 - myrtifolia L.

PROTEACEAE

- Leucadendron
 - meridianum I.Williams LC
- Leucospermum
 - patersonii E.Phillips VU
- Mimetes
 - saxatilis E.Phillips EN
- Protea
 - obtusifolia H.Buek. ex. Meisn. NT

RANUNCULACEAE

- Knowltonia
 - vesicatoria (L.f.) Sims subsp. humilis H.Rasmussen

RHAMNACEAE

- Phyllica
 - humilis Sond.
 - disticha Eckl. & Zeyh.
 - dodii N.E. Br.

ROSACEAE

- Cliffortia
 - falcata L.f.
 - ilicifolia L.

RUBIACEAE

- Anthospermum
 - aethiopicum L.
 - spathulatum Spreng.

RUTACEAE

- Agathosma
 - cerefolium (Vent.) Bartl. & H.L.Wendl. LC
 - haelkraalensis P.A.Bean MS E
- Diosma
 - awilana I.Williams VU
 - haelkraalensis I.Williams EN

SANTALACEAE

- Osyris
 - speciosa (A.W.Hill) J.C.Manning & Goldblatt VU

SCROPHULARIACEAE

- Chaenostoma
 - hispidum (Thunb.) Druce
 - subspicatum Benth.
- Jamesbrittenia
 - calciphila Hilliard Th
- Manulea
 - cf. crassifolia Benth.
- Selago
 - setulosa Rolfe

COMMUNITY BK10: FYNBOS ON INLAND LIMESTONE (contd.)

THYMELAEACEAE

- Gnidia
 - juniperifolia Lam.
- Passerina
 - corymbosa Eckl. ex C.H.Wright
 - truncata (Meisn.) Breidenkamp & A.E.van Wyk
- Struthiola
 - striata Lam.

Division: Anthophyta

Class: Monocotyledones

ASPARAGACEAE

- Asparagus
 - rubicundus P.J.Bergius

CYPERACEAE

- Ficinia
 - filiformis (Lam.) Schrad.
 - lateralis (Vahl) Kunth
 - cf. nodosa (Rottb.) Goetgh.
 - praemorsa Nees
- Tetrasia
 - compacta Levyns DD
 - cuspidata (Rottb.) C.B.Clarke

IRIDACEAE

- Gladiolus
 - variegatus (G.J.Lewis) Goldblatt & J.C.Manning VU
- Ixia
 - polystachya L.

- Moraea
 - tripetala (L.f.) Ker Gawl.

ORCHIDACEAE

- Satyrium
 - carneum (Dryand.) Sims NT

POACEAE

- Cymbopogon
 - cf. marginatus (Steud.) Stapf ex Burtt Davy
- Pentaschistis
 - callicola H P Linder
 - curvifolia (Schrud.) Stapf
- Pseudopentameris
 - macrantha (Schrud.) Conert

RESTIONACEAE

- Elegia
 - equisetacea (Mast.) Mast.
 - juncea L.
 - cf. microcarpa (Kunth) Pillans
- Hypodiscus
 - rigidus Mast.
 - willdenowia (Nees) Mast.
- Ischyrolepis
 - leptocladus (Mast.) H.P.Linder
- Thamnochortus
 - fraternus Pillans NT

Total named species:	90
Total genera:	63
Total families:	32
Total red data species:	15
Total introduced species:	0

COMMUNITY BK11: FYNBOS ON SANDSTONE

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

Rhus
lucida L.

ARALIACEAE

Centella
difformis (Eckl. & Zeyh.) Adamson

ASTERACEAE

Edmondia
sesamoides (L.) Hilliard
Phaenocoma
prolifera (L.) D.Don.
Syncarpha
gnaphaloides (L.) DC.

BRASSICACEAE

Heliophila
pusilla L.f.

BRUNIACEAE

Berzelia
cf. lanuginosa (L.) Brongn.
Brunia
laevis Thunb.
Staavia
radiata Dahl

CAMPANULACEAE

Lobelia
chamaepitys Lam.

CRASSULACEAE

Crassula
fascicularis Lam.

ERICACEAE

Erica
cerinthoides L.
glabella Thunb.
imbricata L.
plukenetii L.

FABACEAE

Amphithalea
biovulata (Bolus) Granby LC
Indigofera
cytisoides (L.) L.

GENTIANACEAE

Sebaea
aurea (L.f.) Sm.

GERANIACEAE

Pelargonium
myrrhifolium (L.) L'Hér. var. coriandrifolium

LAURACEAE

Cassytha
ciliolata Nees

MALVACEAE

Hermannia
trifoliata L. LC

MESEMBRYANTHEMACEAE

Carpobrotus
acinaciformis (L.) L.Bolus LC

PENAEACEAE

Penaea
mucronata L.

POLYGALACEAE

Muraltia
rubeacea Eckl. & Zeyh.

PROTEACEAE

Aulax
pallasia Stapf NT

Leucadendron

xanthoconus (Kuntze) K.Schum. LC

Leucospermum

cordifolium (Salisb. ex Knight) Fourc. NT
heterophyllum (Thunb.) Rourke EN
truncatum (Salisb. ex Knight) Rourke NT

Mimetes

cucullatus (L.) R.Br. LC

Protea

compacta R.Br. NT
longifolia Andrews VU

Serruria

elongata (P.J.Bergius) R.Br. NT
fasciflora Salisb. ex Knight NT
nervosa Meisn. NT

Spatalla

curvifolia Salisb. ex Knight NT

RHAMNACEAE

Phyllica

disticha Eckl. & Zeyh.

ROSACEAE

Cliffortia

stricta Weim.

RUBIACEAE

Anthospermum

cf. aethiopicum L.
spathulatum Spreng.

RUTACEAE

Adenandra

viscida Eckl. & Zeyh.

SANTALACEAE

Osyris

compressa (P.J.Bergius) A.DC.

THYMELAEACEAE

Gnidia

tenella (Meisn.) Meisn.

Passerina

corymbosa Eckl. ex C.H.Wright

Struthiola

dodecandra (L.) Druce

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

Schoenus

nigricans L.

Tetaria

bromoides (Lam.) Pfeiffer
thermalis (L.) C.B.Clarke

IRIDACEAE

Gladiolus

bullatus Thunb. ex G.J.Lewis
debilis Ker Gawl.

Tritoniopsis

burchellii (N.E.Br.) Goldblatt

POACEAE

Cymbopogon

cf. marginatus (Steud.) Stapf ex Burtt Davy

Festuca

cf. scabra Vahl

Themeda

cf. triandra Forssk.

RESTIONACEAE

Calopsis

pulchra Esterh.

Elegia

cf. cuspidata Mast.

stipularis Mast.

COMMUNITY BK11: FYNBOS ON SANDSTONE (contd.)

Hypodiscus

aristatus (Thunb.) Mast.

Mastersiella

digitata (Thunb.) Gilg-Ben.

Restio

cf. bolusii Pillans

triticeus Rottb.

Thamnochortus

cf. pellucidus Pillans VU

Total named species:	63
Total genera:	50
Total families:	27
Total red data species:	11
Total introduced species:	0

COMMUNITY BK12: FYNBOS ON ACID SAND

Division: Anthophyta
Class: Dicotyledones

ANACARDIACEAE

Rhus
 lucida L.

ASTERACEAE

Corymbium
 africanum L.
 Dimorphotheca
 cf. nudicaulis (L.) DC.
 Edmondia
 sesamoides (L.) Hilliard
 Metalasia
 brevifolia (Lam.) Levyns
 Oedera
 imbricata Lam.
 Osteospermum
 sp. 2 G & M
 Phaenocoma
 prolifera (L.) D.Don.
 Senecio
 hastifolius (L.f.) Less.
 Trichogyne
 repens (L.) Anderb.

BRUNIACEAE

Berzelia
 abrotanoides (L.) Brongn.
 lanuginosa (L.) Brongn.
 Staavia
 radiata Dahl

CRASSULACEAE

Crassula
 cf. nudicaulis L.

DROSERACEAE

Drosera
 trinervia Spreng.

ERICACEAE

Erica
 axillaris Thunb.
 cf. corifolia L.
 cf. imbricata L.
 interrupta (N.E.Br.) E.G.H.Oliv.
 sessiliflora L.f.
 tenella Andrews

FABACEAE

Amphithalea
 biovulata (Bolus) Granby LC
 Aspalathus
 sericea P.J. Bergius LC
 cf. tylodes Eckl. & Zeyh. EN
 Indigofera
 angustifolia L.
 Xiphotheca
 cf. fruticosa (L.) A.L. Schutte & B.-E. van Wyk VU

LAURACEAE

Cassytha
 ciliolata Nees

MESEMBRYANTHEMACEAE

Carpobrotus
 cf. acinaciformis (L.) L.Bolus LC

MYRICACEAE

Morella
 quercifolia (L.) Killick

OXALIDACEAE

Oxalis
 cf. commutata Sond.

PENAEACEAE

Penaea
 mucronata L.

POLYGALACEAE

Polygala
 refracta DC.

PROTEACEAE

Leucadendron
 salignum P.J.Bergius LC
 xanthoconus (Kuntze) K.Schum. LC
 Leucospermum
 pedunculatum Klotzsch LC
 Mimetes
 cucullatus (L.) R.Br. LC
 Protea
 compacta R.Br. NT
 cynaroides (L.) L. LC
 cf. obtusifolia H.Buek. ex. Meisn. NT
 susannae E.Phillips NT

Serruria
 nervosa Meisn. NT

Spatalla
 ericoides E.Phillips EN

RHAMNACEAE

Phyllica
 amoena Pillans EN
 disticha Eckl. & Zeyh.
 Trichocephalus
 stipularis (L.) Brongn.

ROSACEAE

Cliffortia
 stricta Weim.

RUBIACEAE

Anthospermum
 cf. aethiopicum L.

RUTACEAE

Adenandra
 viscida Eckl. & Zeyh.
 Agathosma
 bifida (Jacq.) Bart. & H.L.Wendl.
 Euchaetis
 burchellii Dummer

SANTALACEAE

Osyris
 speciosa (A.W.Hill) J.C.Manning & Goldblatt VU

SCHIZAEACEAE

Schizaea
 pectinata (L.) Sw.

SCROPHULARIACEAE

Microdon
 dubius (L.) Hilliard

THYMELAEACEAE

Gnidia
 pinifolia L.
 tenella (Meisn.) Meisn.
 Struthiola
 striata Lam.

ZYGOPHYLLACEAE

Roepera
 fulva L.

COMMUNITY BK12: FYNBOS ON ACID SAND (contd.)

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

Ficinia

oligantha (Steud.) J.Raynal
zeyheri Boeck.

Tetrasia

compar (L.) Lestib. LC
flexuosa (Thunb.) C.B.Clarke

HAEMODORACEAE

Wachendorfia

paniculata Burm.

IRIDACEAE

Aristea

cf. glauca Klatt

Ixia

odorata Ker Gawl.

Moraea

neglecta G.J.Lewis
cf. tripetala (L.f.) Ker Gawl.

ORCHIDACEAE

Disa

bracteata Sw.

POACEAE

Merxmuellera

cincta (Nees) Conert

Tribolium

uniolae (L.f.) Renvoize

RESTIONACEAE

Calopsis

hyalina (Mast.) H.P.Linder
pulchra Esterh.

Elegia

hookeriana (Mast.) Pillans
juncea L.
nuda (Rottb.) Kunth
stipularis Mast.

Mastersiella

digitata (Thunb.) Gilg-Ben.

Restio

egregius Hochst.

Staberoha

banksii Pillans

Thamnochortus

pellucidus Pillans VU

Total named species:	80
Total genera:	59
Total families:	29
Total red data species:	10
Total introduced species:	0

COMMUNITY BK13: HYGRIC FYNBOS

Division: Pteridophyta

BLECHNACEAE

Blechnum
cf. capense Burm.f.

DENNSTAEDTIACEAE

Pteridium
aquilinum (L.) Kuhn subsp. aquilinum

FABACEAE

Indigofera
alopecuroides (Burm.f.) DC. var. alopecuroides

RHAMNACEAE

Phytolacca
axillaris Lam. var. maritima Pillans

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

Rhus
lucida L.
tomentosa L.

ASTERACEAE

Gazania
pectinata (Thunb.) Hartweg
Helichrysum
cymosum (L.) D. Don.
patulum (L.) D. Don.
Metalasia
cf. densa (Lam.) Karis

Senecio
hastifolius (L.f.) Less.

BRUNIACEAE

Berzelia
lanuginosa (L.) Brongn.

DROSERACEAE

Drosera
trinervia Spreng.

ERICACEAE

Erica
coccinea L. subsp. coccinea
colorans Andrews
cf. curviflora L.
parviflora L.
sessiliflora L.f.

FABACEAE

Psoralea
restioides Eckl. & Zeyh. LC

GENTIANACEAE

Chironia
jasminoides L.

GRUBBIACEAE

Grubbia
cf. rosmarinifolia P.J. Bergius

LAURACEAE

Cassytha
ciliolata Nees

MYRICACEAE

Morella
quercifolia (L.) Killick
serrata (Lam.) Killick

OLEACEAE

Olea
capensis L. subsp. capensis

PENAEACEAE

Penaea
mucronata L.

PROTEACEAE

Leucadendron
cf. xanthoconus (Kuntze) K. Schum. LC
Mimetes
cucullatus (L.) R.Br. LC

ROSACEAE

Cliffortia
ferruginea L.f.
strobilifera L.

RUBIACEAE

Anthospermum
cf. aethiopicum L.

Division: Anthophyta

Class: Monocotyledones

ARACEAE

Zantedeschia
aethiopica (L.) Spreng.

CYPERACEAE

Ficinia
capitella (Thunb.) Nees
Neesenbeckia
punctoria (Vahl) Levyns

POACEAE

Merxmüllera
cincta (Nees) Conert
rufa (Nees) Conert

RESTIONACEAE

Restio
bifidus Thunb.

Total named species: 38

Total genera: 28

Total families: 22

Total red data species: 0

Total introduced species: 0

COMMUNITY BK14A: FYNBOS ON NEUTRAL TO ACID SAND

Division: Anthophyta
Class: Dicotyledones

ANACARDIACEAE

- Rhus
 - glauca Thunb.
 - lucida L.
 - rosmarinifolia Vahl

ASTERACEAE

- Arctotis
 - acaulis L.
- Cotula
 - turbinata L.
- Edmondia
 - sesamoides (L.) Hilliard
- Gazania
 - pectinata (Thunb.) Hartweg
- Helichrysum
 - cf. cymosum (L.) D.Don.
- Hippia
 - frutescens (L.) L.
- Metalasia
 - brevifolia (Lam.) Levyns
- Plecostachys
 - serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt
- Senecio
 - cf. arenarius Thunb.

BRUNIACEAE

- Berzelia
 - abrotanoides (L.) Brongn.
- Brunia
 - laevis Thunb.
- Staavia
 - radiata Dahl

CAMPANULACEAE

- Lobelia
 - coronopifolia L.
- Roella
 - arenaria Schltr. VU
- Wahlenbergia
 - longifolia (A.DC.) Lammers

CELASTRACEAE

- Maytenus
 - oleoides (Lam.) Loes.
- Pterocelastrus
 - tricuspidatus (Lam.) Sond. LC

DIPSACACEAE

- Scabiosa
 - incisa Mill.

DROSERACEAE

- Drosera
 - trinervia Spreng.

ERICACEAE

- Erica
 - discolor Andrews
 - glabella Thunb.
 - imbricata L.
 - mammosa L.
 - plukenetii L. subsp. lineata (Benth.) E.G.H.Oliv. & cf. pulchella Hoult.
 - sessiliflora L.f.

FABACEAE

- Amphithalea
 - biovulata (Bolus) Granby LC
- Aspalathus
 - callosa L.
- Podalyria
 - myrtillifolia

GERANIACEAE

- Pelargonium
 - capitatum (L.) L'Hér.
 - elegans (Andrews) Willd.
 - triste (L.) L'Hér.

MALVACEAE

- Hermannia
 - joubertiana Harv.

MESEMBRYANTHEMACEAE

- Carpobrotus
 - acinaciformis (L.) L.Bolus LC
- Jordaaniella
 - maritima (L.Bolus) Van Jaarsv.
- Lampranthus
 - tenuifolius (L.) N.E.Br. CR

OLEACEAE

- Olea
 - capensis L. subsp. capensis

OXALIDACEAE

- Oxalis
 - eckloniana C.Presl

PENAEACEAE

- Penaea
 - mucronata L.

POLYGALACEAE

- Muraltia
 - ericoides (Burm.f.) Steud.
- Polygala
 - uncinata E.Mey. ex Meisn.

PROTEACEAE

- Aulax
 - umbellata (Thunb.) R.Br. NT
- Leucadendron
 - coniferum (L.) Meisn VU
 - linifolium (Jacq.) R.Br. VU
 - xanthoconus (Kuntze) K.Schum. LC
- Leucospermum
 - hypophyllocarpodendron (L.) Druce subsp. hypophyllocarpodendron VU
- Mimetes
 - cucullatus (L.) R.Br. LC
- Protea
 - compacta R.Br. NT
 - obtusifolia H.Buek. ex Meisn. NT
 - susannae E.Phillips NT

RANUNCULACEAE

- Knowltonia
 - vesicatoria (L.f.) Sims subsp. humilis H.Rasmussen

RHAMNACEAE

- Phyllica
 - disticha Eckl. & Zeyh.
 - imberbis P.J.Bergius

ROSACEAE

- Cliffortia
 - falcata L.f.

RUBIACEAE

- Anthospermum
 - cf. aethiopicum L.

RUTACEAE

- Euchaetis
 - burchellii Dummer

SANTALACEAE

- Osyris
 - speciosa (A.W.Hill) J.C.Manning & Goldblatt VU

SCROPHULARIACEAE

- Dischisma
 - ciliatum (P.J.Bergius) Choisy
- Hebenstretia
 - dentata L.

COMMUNITY BK14A: FYNBOS ON NEUTRAL TO ACID SAND (contd.)

THYMELAEACEAE
 Gnidia
 juniperifolia Lam.
 pinifolia L.
 Passerina
 corymbosa Eckl. ex C.H.Wright
 Struthiola
 cf. striata Lam.
 VISCACEAE
 Viscum
 capense L.f.

Division: Anthophyta
Class: Monocotyledones

 AMARYLLIDACEAE
 Haemanthus
 cf. coccineus L.
 sanguineus Jacq.
 ASPARAGACEAE
 Asparagus
 rubicundus P.J.Bergius
 ASPHODELACEAE
 Trachyandra
 revoluta (L.) Kunth
 CYPERACEAE
 Ficinia
 ramosissima Kunth
 Schoenus
 nigricans L.
 Tetralix
 capillacea (Thunb.) C.B.Clarke
 complanata (L.) Lestib. LC
 HYACINTHACEAE
 Albuca
 cooperi Baker
 IRIDACEAE
 Aristea
 cf. glauca Klatt
 Boraginaceae
 longicyma J.B.Gillett subsp. magna J.B.Gillett ex Strid
 Gladiolus
 bullatus Thunb. ex G.J.Lewis
 martleyi L.Bolus LC
 cf. variegatus (G.J.Lewis) Goldblatt & J.C.Manning
 VU
 Hesperantha
 falcata (L.f.) Ker Gawl.
 Moraea
 cf. neglecta G.J.Lewis
 tripetala (L.f.) Ker Gawl.
 Watsonia
 stenosiphon L.Bolus
 LANARIACEAE
 Lanaria
 lanata (L.) T.Durand & Schinz
 ORCHIDACEAE
 Disa
 bracteata Sw.
 Satyrium
 carneum (Dryand.) Sims NT
 POACEAE
 Cymbopogon
 cf. marginatus (Steud.) Stapf ex Burtt Davy
 Ehrharta
 calycina Sm.
 Festuca
 scabra Vahl

Merxmuellera
 rufa (Nees) Conert
 Pentaschistis
 aristoides (Thunb.) Stapf
 Pseudopentameris
 macrantha (Schrad.) Conert
 Stenotaphrum
 secundatum (Walter) Kuntze
 Tribolium
 uniolae (L.f.) Renvoize
 RESTIONACEAE
 Elegia
 cuspidata Mast.
 filacea Mast.
 cf. microcarpa (Kunth) Pillans
 nuda (Rottb.) Kunth
 cf. stipularis Mast.
 Hypodiscus
 aristatus (Thunb.) Mast.
 Mastersiella
 digitata (Thunb.) Gilg-Ben.
 Restio
 bifurcus Nees ex Mast.
 bolusii Pillans
 triticeus Rottb.
 Staberoha
 banksii Pillans
 Thamnochortus
 erectus (Thunb.) Mast.
 fruticosus P.J.Bergius
 guthrieae Pillans LC
 Willdenowia
 cf. teres Thunb.

Total named species:	114
Total genera:	84
Total families:	37
Total red data species:	12
Total introduced species:	0

**COMMUNITY BK14B:
LEUCADENDRON CONIFERUM
FYNBOS ON NEUTRAL TO ACID SAND**

Division: Anthophyta
Class: Dicotyledones

ANACARDIACEAE
Rhus
 laevigata L.f.
 lucida L.

ASTERACEAE
Metalasia
 cf. densa (Lam.) Karis
Plecostachys
 serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt
Senecio
 burchellii DC.
 elegans L.
Seriphium
 plumosum L.

BRUNIACEAE
Berzelia
 lanuginosa (L.) Brongn.

CAMPANULACEAE
Lobelia
 coronopifolia L.

ERICACEAE
Erica
 interrupta (N.E.Br.) E.G.H.Oliv.
 plukenetii L.

GENTIANACEAE
Chironia
 baccifera L.

GERANIACEAE
Pelargonium
 capitatum (L.) L'Hér.
 elegans (Andrews) Willd.
 myrrhifolium (L.) L'Hér.

LAURACEAE
Cassythia
 cf. ciliolata Nees

MESEMBRYANTHEMACEAE
Carpobrotus
 acinaciformis (L.) L.Bolus LC

MYRICACEAE
Morella
 quercifolia (L.) Killick

OXALIDACEAE
Oxalis
 purpurea L.

PROTEACEAE
Leucadendron
 coniferum (L.) Meisn VU
 linifolium (Jacq.) R.Br. VU
Leucospermum
 hypophyllocarpodendron (L.) Druce subsp.
 hypophyllocarpodendron VU
 pedunculatum Klotzsch LC
Mimetes
 cucullatus (L.) R.Br. LC
Protea
 susannae E.Phillips NT
Spatalla
 ericoides E.Phillips EN

RHAMNACEAE
Phytolacca
 disticha Eckl. & Zeyh.

ROSACEAE

Cliffortia
 falcata L.f.

RUBIACEAE
Anthospermum
 prostratum Sond.
 cf. spathulatum Spreng.

THYMELAEACEAE
Gnidia
 juniperifolia Lam.
Passerina
 corymbosa Eckl. ex C.H.Wright

Division: Anthophyta
Class: Monocotyledones

ASPARAGACEAE
Asparagus
 cf. capensis L.

COLCHICACEAE
Colchicum
 eucomoides (Jacq.) J.C.Manning & Vinnersten

CYPERACEAE
Ficinia
 deusta (P.J.Bergius) Levyns
 filiformis (Lam.) Schrad.

POACEAE
Merxmüllera
 cincta (Nees) Conert
Pentaschistis
 pallida (Thunb.) H.P.Linder LC
Stenotaphrum
 secundatum (Walter) Kuntze

RESTIONACEAE
Elegia
 nuda (Rottb.) Kunth
Ischyrolepis
 eleocharis (Nees ex Mast.) H.P.Linder
Restio
 triticeus Rottb.

Total named species:	43
Total genera:	34
Total families:	22
Total red data species:	5
Total introduced species:	0

COMMUNITY BK15: WETLAND

Division: Anthophyta

Class: Dicotyledones

ARALIACEAE

Hydrocotyle

cf. verticillata Thunb.

BRUNIACEAE

Berzelia

lanuginosa (L.) Brongn.

HALORAGACEAE

Laurembergia

repens P.J.Bergius subsp. brachypoda (Hiern) Oberm.

LAURACEAE

Cassytha

cf. ciliolata Nees

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

Carpha

glomerata (Thunb.) Nees

Isolepis

rubicunda Kunth

Neesenbeckia

punctoria (Vahl) Levyns

Tetralia

ligulata C.B.Clarke

POACEAE

Merxmüllera

cincta (Nees) Conert

RESTIACEAE

Elegia

tectorum (L.f.) Raf.

Platycaulos

compressus (Rottb.) H.P.Linder

Total named species: 11

Total genera: 11

Total families: 7

Total red data species: 0

Total introduced species: 0

COMMUNITY BK16A: GROOT HAGELKRAAL RIVER

Division: Pteridophyta

BLECHNACEAE

Blechnum

capense Burm.f.

THELYPTERIDACEAE

Thelypteris

confluens (Thunb.) C.V.Morton

Division: Anthophyta

Class: Dicotyledones

ASTERACEAE

Helichrysum

cf. cymosum (L.) D.Don.

FABACEAE

Psoralea

cf. aphylla L.

GRUBBIACEAE

Grubbia

cf. rosmarinifolia P.J.Bergius

LAURACEAE

Cassytha

ciliolata Nees

MYRICACEAE

Morella

serrata (Lam.) Killick

ROSACEAE

Cliffortia

ferruginea L.f.

cf. strobilifera L.

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

Carpha

glomerata (Thunb.) Nees

Cyperus

sphaerospermus Schrad.

Neesenbeckia

punctoria (Vahl) Levyns

HAEMODORACEAE

Wachendorfia

cf. thyrsoflora Burm. LC

PRIONIACEAE

Pronium

serratum (L.f.) Drege ex E.Mey. De

RESTIONACEAE

Platycaulos

compressus (Rottb.) H.P.Linder

Total named species:	15
Total genera:	14
Total families:	12
Total red data species:	1
Total introduced species:	0

COMMUNITY BK16B: GROOT HAGELKRAAL RIVER

Division: Pteridophyta

PTERIDACEAE
Pteris
dentata Forssk.

Division: Anthophyta
Class: Dicotyledones

ANACARDIACEAE
Rhus
lucida L.
ASTERACEAE
Othonna
cf. quinquedentata DC.
Ursinia
dentata (L.) Poir.
BRUNIACEAE
Berzelia
lanuginosa (L.) Brongn.
CAMPANULACEAE
Monopsis
lutea (L.) Urb.
ROSACEAE
Cliffortia
ferruginea L.f.
THYMELAEACEAE
Struthiola
dodecandra (L.) Druce

Division: Anthophyta
Class: Monocotyledones

CYPERACEAE
Cyperus
sphaerospermus Schrad.
Schoenus
nigricans L.
RESTIACEAE
Elegia
fistulosa Kunth
Platycaulos
compressus (Rottb.) H.P.Linder

Total named species:	12
Total genera:	12
Total families:	9
Total red data species:	0
Total introduced species:	0

COMMUNITY BK16C: GROOT HAGELKRAAL RIVER

Division: Pteridophyta

PTERIDACEAE
Pteris
dentata Forssk.

Division: Anthophyta
Class: Dicotyledones

ASTERACEAE
Hippia
frutescens (L.) L.
MYRICACEAE
Morella
serrata (Lam.) Killick
THYMELAEACEAE
Passerina
corymbosa Eckl. ex C.H.Wright

Division: Anthophyta
Class: Monocotyledones

ARACEAE
Zantedeschia
aethiopica (L.) Spreng.
RESTIONACEAE
Calopsis
paniculata (Rottb.) Desv.

Total named species:	7
Total genera:	7
Total families:	7
Total red data species:	0
Total introduced species:	0

COMMUNITY BK16D: GROOT HAGELKRAAL RIVER

Division: Anthophyta

Class: Dicotyledones

ASTERACEAE

Coryza

cf. *scabrida* DC.

Plecostachys

serpyllifolia (P.J.Bergius) Hilliard & B.L.Burtt

Senecio

halimifolius L.

LAURACEAE

Cassytha

ciliolata Nees

RUBIACEAE

Anthospermum

cf. *aethiopicum* L.

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

Fuirena

hirsuta (P.J.Bergius) P.L.Forbes

Isolepis

costata A.Rich.

RESTIONACEAE

Elegia

asperiflora (Nees) Kunth

TYPHACEAE

Typha

capensis (Rohrb.) N.E.Br.

Total named species:	9
Total genera:	9
Total families:	6
Total red data species:	0
Total introduced species:	0

COMMUNITY BK16E: GROOT HAGELKRAAL RIVER

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE
Rhus
 laevigata L.f.
 lucida L.

APIACEAE
Berula
 erecta (Huds.) Coville subsp. *thunbergii* (DC.)
B.L.Burt

ARALIACEAE
Centella
 cf. *asiatica* (L.) Urban

ASTERACEAE
Athanasia
 dentata (L.) L.
Helichrysum
 cymosum (L.) D.Don.
Hippia
 cf. *frutescens* (L.) L.
Metalasia
 cf. *muricata* (L.) D.Don.
Plecostachys
 serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt
Pulicaria
 scabra (Thunb.) Druce
Senecio
 halimifolius L.

CAMPANULACEAE
Lobelia
 anceps L.f.

FABACEAE
Psoralea
 pinnata L.

GERANIACEAE
Pelargonium
 grossularioides (L.) L'Hér.

LAMIACEAE
Leonotis
 leonurus (L.) R.Br.

MESEMBRYANTHEMACEAE
Carpobrotus
 acinaciformis (L.) L.Bolus LC
 edulis (L.) L.Bolus

MYRSINACEAE
Myrsine
 africana L.

RANUNCULACEAE
Ranunculus
 multifidus Forssk.

SAPOTACEAE
Sideroxylon
 inerme L. subsp. *inerme*

THYMELAEACEAE
Passerina
 corymbosa Eckl. ex C.H.Wright

Division: Anthophyta

Class: Monocotyledones

ARACEAE
Zantedeschia
 aethiopica (L.) Spreng.

CYPERACEAE

Carex
 glomerabilis Krecz
Cyperus
 congestus Vahl
Eleocharis
 limosa (Schrad.) Schult.
Ficinia
 capitella (Thunb.) Nees
 indica (Lam.) Pfeiffer
 nodosa (Rottb.) Goetgh.
Isolepis
 cf. *antarctica* (L.) Roem. & Schult.
 cf. *prolifera* R.Br.
 rubicunda Kunth

HYACINTHACEAE

Albuca
 juncifolia Baker

IRIDACEAE

Chasmanthe
 aethiopica (L.) N.E.Br.
Gladiolus
 carneus D.Delaroche

POACEAE

Cynodon
 dactylon (L.) Pers.
Helictotrichon
 hirtulum (Steud.) Schweick.
Melica
 racemosa Thunb.
Merxmüllera
 cincta (Nees) Conert
Phragmites
 australis (Cav.) Trin. ex Steud.
Stenotaphrum
 secundatum (Walter) Kuntze

RESTIONACEAE

Calopsis
 paniculata (Rottb.) Desv.
Elegia
 cf. *tectorum* (L.f.) Raf.

TYPHACEAE

Typha
 capensis (Rohrb.) N.E.Br.

Total named species:	48
Total genera:	42
Total families:	23
Total red data species:	0
Total introduced species:	2

APPENDIX 4.2.2. PLANT SPECIES RECORDED FROM BANTAMSKLIP: COMPOSITE LIST

NT: Near Threatened; R: Rare, VU: vulnerable EN: Endangered, CR: Critically Endangered

LC: Least Concern; DD: Data Deficient; De: Declining

Report produced by the SaSFLORA database: data (C) Coastec; database design and structures (C) Reuben Roberts 1998-2008

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Division: Pteridophyta

ASPENIACEAE
Asplenium
 adiantum-nigrum L.
BLECHNACEAE
Blechnum
 capense Burm.f.
DENNSTAEDTIACEAE
Pteridium
 aquilinum (L.) Kuhn subsp. aquilinum
PTERIDACEAE
Adiantum
 aethiopicum L.
Cheilanthes
 capensis (Thunb.) Sw.
Pteris
 dentata Forssk.
SCHIZAEACEAE
Schizaea
 pectinata (L.) Sw.
THELYPTERIDACEAE
Thelypteris
 confluens (Thunb.) C.V.Morton

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE
Pharnaceum
 thunbergii Adamson
Tetragonia
 decumbens Mill.
 fruticosa L.
AMARANTHACEAE
Bassia
 diffusa (Thunb.) Kuntze
ANACARDIACEAE
Rhus
 glauca Thunb.
 laevigata L.f.
 lucida L.
 rosmarinifolia Vahl
 tomentosa L.
APIACEAE
Arctopus
 echinatus L.
Berula
 erecta (Huds.) Coville subsp. thunbergii (DC.)
B.L.Burt
Capnophyllum
 africanum (L.) Gaertn. NT
Torilis
 arvensis (Huds.) Link
APOCYNACEAE
Astephanus
 triflorus (L.f.) Schult.
Carissa
 bispinosa (L.) Desf. ex Brenan
Cynanchum
 africanum (L.) Hoffmanns.
 obtusifolium L.f.
ARALIACEAE
Centella
 asiatica (L.) Urban
 difformis (Eckl. & Zeyh.) Adamson
Hydrocotyle
 verticillata Thunb.

ASTERACEAE
Arctotheca
 calendula (L.) Levyns
 populifolia (P.J.Bergius) Norl.
Arctotis
 acaulis L.
Athanasia
 dentata (L.) L.
 quinquedentata Thunb.
Berkheya
 coriacea Harv.
Chrysanthemoides
 monilifera (L.) Norl.
Chrysocoma
 coma-aurea L.
Cineraria
 geifolia (L.) L.
Conyza
 scabrida DC.
Corymbium
 africanum L.
Cotula
 turbinata L.
Dimorphotheca
 nudicaulis (L.) DC. var. nudicaulis
 pluvialis (L.) Moench
Disparago
 anomala Schltr. ex Levyns
 ericoides (P.J.Bergius) Gaertn.
Edmondia
 sesamoides (L.) Hilliard
Felicia
 aethiopica (Burm.f.) Adamson & T.M.Salter subsp.
 aethiopica
 amoena (Sch.Bip.) Levyns subsp. latifolia Grau
 tenella (L.) Nees subsp. longifolia (DC.) Grau
Gazania
 krebiana Less.
 pectinata (Thunb.) Hartweg
Gnaphalium
 pauciflorum DC.
Haplocarpha
 lanata (Thunb.) Less.
Helichrysum
 cochleariforme DC. NT
 crispum (L.) D.Don.
 cymosum (L.) D.Don.
 dasyanthum (Willd.) Sweet
 niveum (L.) Less.
 pandurifolium Schrank
 patulum (L.) D.Don.
 retortum (L.) Willd.
Hippia
 frutescens (L.) L.
Metalasia
 brevifolia (Lam.) Levyns
 densa (Lam.) Karis
 muricata (L.) D.Don.
 umbelliformis P.O.Karis V
Nidorella
 auriculata DC.
Oedera
 capensis (L.) Druce
 imbricata Lam.
Osteospermum
 sp. 2 G & M
Othonna
 filicaulis Jacq.
 quinquedentata DC.

Phaenocoma
 prolifera (L.) D.Don.
 Plecostachys
 serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt
 Pulicaria
 scabra (Thunb.) Druce
 Senecio
 arenarius Thunb.
 arniciflorus DC.
 burchellii DC.
 elegans L.
 halimifolius L.
 hastifolius (L.f.) Less.
 maritimus L.
 pillansii Levyns Th
 triqueter DC.
 Seriphium
 plumosum L.
 Syncarpha
 argyropsis (DC.) B.Nord.
 gnaphaloides (L.) DC.
 paniculata (L.) B.Nord.
 Trichogyne
 repens (L.) Anderb.
 Ursinia
 dentata (L.) Poir.
 tenuifolia (L.) Poir.
 Vellereophyton
 dealbatum (Thunb.) Hilliard
BRASSICACEAE
 Erucastrum
 strigosum (Thunb.) O.E.Schulz
 Heliophila
 pusilla L.f.
BRUNIACEAE
 Berzelia
 abrotanoides (L.) Brongn.
 lanuginosa (L.) Brongn.
 Brunia
 laevis Thunb.
 Staavia
 radiata Dahl
CAMPANULACEAE
 Lobelia
 anceps L.f.
 chamaepitys Lam.
 comosa L.
 coronopifolia L.
 Monopsis
 lutea (L.) Urb.
 Roella
 arenaria Schltr. VU
 Wahlenbergia
 calcarea (Adamson) Lammers
 longifolia (A.DC.) Lammers
 tenella (L.f.) Lammers
 thunbergii (Schult.) B.Nord.
CARYOPHYLLACEAE
 Herniaria
 capensis Bartl.
 Silene
 bellidioides Sond.
 crassifolia L.
CELASTRACEAE
 Cassine
 peragua L.
 Gymnosporia
 buxifolia (L.) Szyszyl.
 Lauridia
 tetragona (L.f.) R.H.Archer

Maytenus
 oleoides (Lam.) Loes.
 procumbens (L.f.) Loes.
 Pterocelastrus
 tricuspidatus (Lam.) Sond. LC
 Putterlickia
 pyracantha (L.) Szyszyl.
CELTIDACEAE
 Celtis
 africana Burm.f.
CONVOLVULACEAE
 Falkia
 repens L.f.
CRASSULACEAE
 Crassula
 dichotoma L.
 expansa Dryand. subsp. expansa
 expansa Dryand. subsp. filicaulis (Haw.) Tölken
 fascicularis Lam.
 glomerata P.J.Bergius
 nudicaulis L.
 subulata L. var. subulata
CUCURBITACEAE
 Kedrostis
 nana (Lam.) Cogn.
DIPSACACEAE
 Scabiosa
 incisa Mill.
DROSERACEAE
 Drosera
 trinervia Spreng.
EBENACEAE
 Euclea
 racemosa Murray
ERICACEAE
 Erica
 axillaris Thunb.
 calcareophila E.G.H.Oliv. VU
 cerinthoides L.
 coccinea L. subsp. coccinea
 colorans Andrews
 corifolia L.
 curviflora L.
 discolor Andrews
 glabella Thunb.
 imbricata L.
 interrupta (N.E.Br.) E.G.H.Oliv.
 mammosa L.
 nudiflora L.
 occulta E.G.H.Oliv. VU
 parviflora L.
 plukenetii L. subsp. lineata (Benth.) E.G.H.Oliv. & I.M.Oliv.
 propinqua Guthrie & Bolus
 pulchella Houtt.
 sessiliflora L.f.
 tenella Andrews
FABACEAE
 Amphithalea
 biovulata (Bolus) Granby LC
 ericifolia (L.) Eckl. & Zeyh. subsp. ericifolia
 Aspalathus
 callosa L.
 ciliaris L.
 forbesii Harv.
 hispida Thunb.
 sericea P.J. Bergius LC
 tyloides Eckl. & Zeyh. EN

Indigofera
 alopecuroides (Burm.f.) DC. var. alopecuroides
 angustifolia L.
 brachystachya (DC.) E.Mey.
 cytisoides (L.) L.
 Lessertia
 frutescens (L.) Goldblatt & J.C.Manning
 miniata T.M.Salter
 Otholobium
 bracteolatum (Eckl. & Zeyh.) C.H.Stirt.
 Podalyria
 myrtillifolia
 Psoralea
 aphylla L.
 pinnata L.
 repens L. NT
 restioides Eckl. & Zeyh. LC
 Xiphotheca
 fruticosa (L.) A.L. Schutte & B.-E. van Wyk VU
GENTIANACEAE
 Chironia
 baccifera L.
 jasminoides L.
 Sebaea
 aurea (L.f.) Sm.
GERANIACEAE
 Geranium
 incanum Burm.f.
 Pelargonium
 alchemilloides (L.) L'Hér.
 betulinum (L.) L'Hér.
 capitatum (L.) L'Hér.
 elegans (Andrews) Willd.
 grossularioides (L.) L'Hér.
 myrrhifolium (L.) L'Hér. var. coriandrifolium
 triste (L.) L'Hér.
GRUBBIACEAE
 Grubbia
 rosmarinifolia P.J.Bergius
HALORAGACEAE
 Laurembergia
 repens P.J.Bergius subsp. brachypoda (Hiern) Oberm.
LAMIACEAE
 Leonotis
 leonurus (L.) R.Br.
 Salvia
 africana-lutea L.
LAURACEAE
 Cassytha
 ciliolata Nees
LINACEAE
 Linum
 africanum L.
MALVACEAE
 Hermannia
 joubertiana Harv.
 trifoliata L. LC
MESEMBRYANTHEMACEAE
 Carpobrotus
 acinaciformis (L.) L.Bolus LC
 edulis (L.) L.Bolus
 Drosanthemum
 candens (Haw.) Schwantes
 intermedium (L.Bolus) L.Bolus
 Jordaaniella
 dubia (Haw.) H.E.K.Hartmann LC
 maritima (L.Bolus) Van Jaarsv.
 Lampranthus
 ceriseus (L.Bolus) L.Bolus VU
 fergusonae (L.Bolus) L.Bolus VU
 tenuifolius (L.) N.E.Br. CR
 Mesembryanthemum
 canaliculatum Haw.
 vanrensburgii (L.Bolus) Klak NT
 Ruschia
 macowanii (L.Bolus) Schwantes
MYRICACEAE
 Morella
 cordifolia (L.) Killick
 quercifolia (L.) Killick
 serrata (Lam.) Killick
MYRSINACEAE
 Myrsine
 africana L.
OLEACEAE
 Chionanthus
 foveolatus (E.Mey.) Stearn
 Olea
 capensis L. subsp. capensis
 exasperata Jacq.
OROBANCHACEAE
 Hyobanche
 sanguinea L.
OXALIDACEAE
 Oxalis
 commutata Sond.
 eckloniana C.Presl
 purpurea L.
PENAEACEAE
 Penaea
 mucronata L.
PLUMBAGINACEAE
 Limonium
 scabrum (Thunb.) Kuntze
POLYGALACEAE
 Muraltia
 divaricata Eckl. & Zeyh.
 ericoides (Burm.f.) Steud.
 rubeacea Eckl. & Zeyh.
 satireioides DC.
 Nylandtia
 spinosa (L.) Dumort.
 Polygala
 garcinii DC.
 meridionalis Levyns
 myrtifolia L.
 refracta DC.
 uncinata E.Mey. ex Meisn.
POLYGONACEAE
 Rumex
 acetosella L. subsp. angiocarpus (Murb.) Murb.
 cordatus Poir.
PROTEACEAE
 Aulax
 pallasia Stapf NT
 umbellata (Thunb.) R.Br. NT
 Leucadendron
 coniferum (L.) Meisn VU
 linifolium (Jacq.) R.Br. VU
 meridianum I.Williams LC
 salignum P.J.Bergius LC
 xanthoconus (Kuntze) K.Schum. LC
 Leucospermum
 cordifolium (Salisb. ex Knight) Fourc. NT
 heterophyllum (Thunb.) Rourke EN
 hypophyllocarpodendron (L.) Druce subsp.
 hypophyllocarpodendron VU
 pateronii E.Phillips VU
 pedunculatum Klotzsch LC
 truncatulum (Salisb. ex Knight) Rourke NT
 Mimetes
 cucullatus (L.) R.Br. LC
 saxatilis E.Phillips EN

Protea
 compacta R.Br. NT
 cynaroides (L.) L. LC
 longifolia Andrews VU
 obtusifolia H.Buek. ex Meisn. NT
 susannae E.Phillips NT
 Serruria
 elongata (P.J.Bergius) R.Br. NT
 fasciflora Salisb. ex Knight NT
 nervosa Meisn. NT
 Spatalla
 curvifolia Salisb. ex Knight NT
 ericoides E.Phillips EN
RANUNCULACEAE
 Knowltonia
 vesicatoria (L.f.) Sims subsp. humilis H.Rasmussen
 Ranunculus
 multifidus Forssk.
RHAMNACEAE
 Phylica
 amoena Pillans EN
 axillaris Lam. var. maritima Pillans
 disticha Eckl. & Zeyh.
 dodii N.E. Br.
 ericoides L.
 humilis Sond.
 imberbis P.J.Bergius
 Trichocephalus
 stipularis (L.) Brongn.
ROSACEAE
 Cliffortia
 falcata L.f.
 ferruginea L.f.
 ilicifolia L.
 stricta Weim.
 strobilifera L.
RUBIACEAE
 Anthospermum
 aethiopicum L.
 prostratum Sond.
 spatulatum Spreng.
 Galium
 tomentosum Thunb.
RUTACEAE
 Adenandra
 viscida Eckl. & Zeyh.
 Agathosma
 bifida (Jacq.) Bart. & H.L.Wendl.
 cerefolium (Vent.) Bartl. & H.L.Wendl. LC
 dielsiana Schltr. ex Dümmer LC
 geniculata Pillans NT
 haelkraalensis P.A.Bean MS E
 serpyllacea Licht. ex Roem. & Schult. LC
 Diosma
 awilana I.Williams VU
 haelkraalensis I.Williams EN
 Euchaetis
 burchellii Dummer
SANTALACEAE
 Osyris
 compressa (P.J.Bergius) A.DC.
 speciosa (A.W.Hill) J.C.Manning & Goldblatt VU
 Thesium
 aggregatum A.W.Hill
 subnudum Sond.
SAPOTACEAE
 Sideroxylon
 inerme L. subsp. inerme
SCROPHULARIACEAE
 Chaenostoma
 hispidum (Thunb.) Druce
 subspicatum Benth.

Dischisma
 ciliatum (P.J.Bergius) Choisy subsp. erinoides (L.f.)
 Roessler
 Hebenstretia
 dentata L.
 Jamesbrittenia
 albomarginata Hilliard
 calciphila Hilliard Th
 Lyperia
 lychnidea (L.) Druce

 Manulea
 caledonica Hilliard NT
 crassifolia Benth.
 Microdon
 dubius (L.) Hilliard
 Nemesia
 affinis Benth.
 Selago
 diffusa Thunb. VU
 polystachya L.
 scabrida Thunb.
 setulosa Rolfe
 Zaluzianskya
 capensis (L.) Walp.
 villosa F.W.Schmidt
SOLANACEAE
 Solanum
 africanum Mill. LC
THYMELAEACEAE
 Gnidia
 juniperifolia Lam.
 pinifolia L.
 tenella (Meisn.) Meisn.
 Passerina
 corymbosa Eckl. ex C.H.Wright
 paleacea Wikstr.
 rigida Wikstr.
 truncata (Meisn.) Bredenkamp & A.E.van Wyk
 Struthiola
 dodecandra (L.) Druce
 striata Lam.
URTICACEAE
 Droguetia
 iners (Forssk.) Schweinf.
VISCACEAE
 Viscum
 capense L.f.
ZYGOPHYLLACEAE
 Roepera
 flexuosum Eckl. & Zeyh.
 fulva L.
 fuscata Van Zyl VU

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

Brunsvigia
 orientalis (L.) Aiton ex Eckl.
 Haemanthus
 coccineus L.
 sanguineus Jacq.

ARACEAE

Zantedeschia
 aethiopica (L.) Spreng.

ASPARAGACEAE

- Asparagus
 - aethiopicus L.
 - asparagoides (L.) Druce
 - capensis L.
 - rubicundus P.J.Bergius
 - scandens Thunb.
 - stipulaceus Lam. NT

ASPHODELACEAE

- Trachyandra
 - ciliata (L.f.) Kunth LC
 - divaricata (Jacq.) Kunth
 - revoluta (L.) Kunth

COLCHICACEAE

- Colchicum
 - eucomoides (Jacq.) J.C.Manning & Vinnersten

CYPERACEAE

- Carex
 - glomerabilis Krecz
- Carpha
 - glomerata (Thunb.) Nees
- Cyperus
 - congestus Vahl
 - sphaerospermus Schrad.
- Eleocharis
 - limosa (Schrad.) Schult.
- Ficinia
 - bulbosa (L.) Nees
 - capitella (Thunb.) Nees
 - deusta (P.J.Bergius) Levyns
 - filiformis (Lam.) Schrad.
 - indica (Lam.) Pfeiffer
 - lateralis (Vahl) Kunth
 - nodosa (Rottb.) Goetgh.
 - oligantha (Steud.) J.Raynal
 - praemorsa Nees
 - ramosissima Kunth
 - secunda (Vahl) Kunth
 - zeyheri Boeck.
- Fuirena
 - hirsuta (P.J.Bergius) P.L.Forbes
- Hellmuthia
 - membranacea (Thunb.) R.Haynes & K.Lye
- Isolepis
 - antarctica (L.) Roem. & Schult.
 - costata A.Rich.
 - prolifera R.Br.
 - rubicunda Kunth
- Neesenbeckia
 - punctoria (Vahl) Levyns
- Schoenoxiphium
 - lanceum (Thunb.) Kuk.
- Schoenus
 - nigricans L.
- Tetraria
 - brachyphylla Levyns NT
 - bromoides (Lam.) Pfeiffer
 - capillacea (Thunb.) C.B.Clarke
 - compacta Levyns DD
 - compar (L.) Lestib. LC
 - cuspidata (Rottb.) C.B.Clarke
 - exilis Levyns DD
 - flexuosa (Thunb.) C.B.Clarke
 - ligulata C.B.Clarke
 - thermalis (L.) C.B.Clarke

HAEMODORACEAE

- Wachendorfia
 - paniculata Burm.
 - thysiflora Burm. LC

HYACINTHACEAE

- Albuca
 - cooperi Baker
 - juncifolia Baker

IRIDACEAE

- Aristea
 - africana (L.) Hoffmanns.
 - glauca Klatt
 - Bobartia
 - longicyma J.B.Gillett subsp. magna J.B.Gillett ex Strid
 - Chasmanthe
 - aethiopica (L.) N.E.Br.
 - Ferraria
 - crispa Burm.
 - Gladiolus
 - bullatus Thunb. ex G.J.Lewis
 - carneus D.Delaroche
 - debilis Ker Gawl.
 - martleyi L.Bolus LC
 - variegatus (G.J.Lewis) Goldblatt & J.C.Manning VU
 - Hesperantha
 - falcata (L.f.) Ker Gawl.
 - Ixia
 - odorata Ker Gawl.
 - polystachya L.
 - Moraea
 - bulbillifera (G.J.Lewis) Goldblatt
 - fugax (D.Delaroche) Jacq.
 - neglecta G.J.Lewis
 - tripetala (L.f.) Ker Gawl.
 - Romulea
 - dichotoma (Thunb.) Baker
 - Tritoniopsis
 - burchellii (N.E.Br.) Goldblatt
 - Watsonia
 - stenosiphon L.Bolus
- JUNCACEAE
- Juncus
 - kraussii Hochst. subsp. kraussii LC
- LANARIACEAE
- Lanaria
 - lanata (L.) T.Durand & Schinz
- ORCHIDACEAE
- Bonatea
 - speciosa (L.f.) Willd. var. speciosa LC
 - Corycium
 - orobanchoides (L.f.) Sw. LC
 - Disa
 - bracteata Sw.
 - densiflora (Lindl.) Bolus
 - Satyrium
 - carneum (Dryand.) Sims NT
 - ligulatum Lindl.
- POACEAE
- Aristida
 - junciformis Trin. & Rupr.
 - Cymbopogon
 - marginatus (Steud.) Stapf ex Burtt Davy
 - Cynodon
 - dactylon (L.) Pers.
 - Ehrharta
 - calycina Sm.
 - erecta Lam.
 - villosa Schult.f. var. villosa
 - Festuca
 - scabra Vahl
 - Helictotrichon
 - hirtulum (Steud.) Schweick.
 - Hyparrhenia
 - hirta (L.) Stapf
 - Imperata
 - cylindrica (L.) Raeuschel

Koeleria
 capensis (Steud.) Nees
 Melica
 racemosa Thunb.
 Merxmullera
 cincta (Nees) Conert
 rufa (Nees) Conert
 Pentaschistis
 aristoides (Thunb.) Stapf
 calicicola H.P. Linder
 curvifolia (Schr.) Stapf
 pallida (Thunb.) H.P. Linder LC
 Phragmites
 australis (Cav.) Trin. ex Steud.
 Pseudopentameris
 macrantha (Schr.) Conert
 Sporobolus
 virginicus (L.) Kunth
 Stenotaphrum
 secundatum (Walter) Kuntze
 Stipa
 dregeana Steud.
 Stipagrostis
 zeyheri (Nees) De Winter
 Themeda
 triandra Forssk.
 Tribolium
 hispidum (Thunb.) Desv.
 uniolae (L.f.) Renvoize
PRIONIACEAE
 Prionium
 serratum (L.f.) Drege ex E.Mey. De
RESTIACEAE
 Calopsis
 fruticosa (Mast.) H.P. Linder
 hyalina (Mast.) H.P. Linder
 paniculata (Rottb.) Desv.
 pulchra Esterh.
 Elegia
 asperiflora (Nees) Kunth
 cuspidata Mast.
 equisetacea (Mast.) Mast.
 filacea Mast.
 fistulosa Kunth
 hookeriana (Mast.) Pillans
 juncea L.
 microcarpa (Kunth) Pillans
 nuda (Rottb.) Kunth
 stipularis Mast.
 tectorum (L.f.) Raf.
 Hypodiscus
 aristatus (Thunb.) Mast.
 procurrens Esterh. E
 rigidus Mast.
 willdenowia (Nees) Mast.
 Ischyrolepis
 eleocharis (Nees ex Mast.) H.P. Linder
 leptocladus (Mast.) H.P. Linder
 Mastersiella
 digitata (Thunb.) Gilg-Ben.
 Platycaulos
 compressus (Rottb.) H.P. Linder
 Restio
 bifidus Thunb.
 bifurcus Nees ex Mast.
 bolusii Pillans
 egregius Hochst.
 triticeus Rottb.
 Staberoha
 banksii Pillans

Thamnochortus
 erectus (Thunb.) Mast.
 fraternus Pillans NT
 fruticosus P.J. Bergius
 guthrieae Pillans LC
 pellucidus Pillans VU
 Willdenowia
 teres Thunb.
TYPHACEAE
 Typha
 capensis (Rohrb.) N.E.Br.

Total named species:	483
Total genera:	233
Total families:	78
Total red data species:	52
Total introduced species:	6

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASPLENIACEAE	Asplenium adiantum-nigrum L.	black maidenhair, black spleenwort	Gifberg to Eurasia, Mexico	No change, cliffs and boulders						
BLECHNACEAE	Blechnum capense Burm.f.	Cape deer fern	Citrusdal to E Africa	No change, moist streambanks						
DENNSTAEDTIACEAE	Pteridium aquilinum (L.) Kuhn subsp. aquilinum		Gifberg to Europe	No change, fynbos and forest margins						
PTERIDACEAE	Adiantum aethiopicum L.	maidenhair (fern), vrouehaar (-varing)	Groot Winterhoek Mts to George and N America	No change, moist banks						
PTERIDACEAE	Cheilanthes capensis (Thunb.) Sw.		Bokkeveld Mts to Port Elizabeth, southern Africa	No change, rock outcrops in fynbos and scrub						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
SCHIZAEACEAE	Schizaea pectinata (L.) Sw.	curly grass fern, toothbrush fern	Clanwilliam to E Africa and Madagascar	No change, dry mountain slopes						
AIZOACEAE	Pharnaceum thunbergii Adamson		Stilbaai to KwaZulu-Natal	No change, coastal bush						
AIZOACEAE	Tetragonia decumbens Mill.	kinkelbossie	S Namibia to E Cape	No change, coastal dunes						
AIZOACEAE	Tetragonia fruticosa L.	kinkelbossie, kinkelklappers, kleinsaadklaapiesbrak, klimopkinkelbossie, porslein, slaabos	Namaqualand to Clanwilliam to Port Elizabeth	No change, sandstone slopes, especially along the coast						
AMARANTHACEAE	Bassia diffusa	soutbossie	Namibia to Mozambique	No change,						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	(Thunb.) Kuntze			coastal salt marshes						
ANACARDIACEAE	<i>Rhus glauca</i> Thunb.	bloukoeniebos, blue kuni-bush, taaiblaar	Velddrif to Kentani	No change, mostly on dunes						
ANACARDIACEAE	<i>Rhus laevigata</i> L.f.	duinetaaibos, dune taaibos, koerentebos, ranktaaibos, taaibos, umhlakothi	Lambert's Bay to East London	No change, coastal flats and slopes						
ANACARDIACEAE	<i>Rhus lucida</i> L.	besembos, blinktaaibos, wild currant	Citrusdal to Zimbabwe	No change, sandy flats and slopes						
ANACARDIACEAE	<i>Rhus rosmarinifolia</i> Vahl	roosmaryntaaibos	Clanwilliam to Port Elizabeth	No change, gravelly soils, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ANACARDIACEAE	<i>Rhus tomentosa</i> L.	korentebos, wild currant	Clanwilliam to Zimbabwe	No change, rocky slopes						
APIACEAE	<i>Arctopus echinatus</i> L.	platannadoring, platdoring, pokkiesdoring	S Namaqualand and W Karoo to Grahamstown	No change, sand and granite flats and slopes						
APIACEAE	<i>Capnophyllum africanum</i> (L.) Gaertn.		Saldanha to Gansbaai	No change, sand dunes, endemic					1	
APIACEAE	<i>Torilis arvensis</i> (Huds.) Link	hedge parsley, wildewortel	Bokkeveld Mts to Cape Peninsula, W Karoo and E Cape to Europe	No change, flats and rocky slopes						
APOCYNACEAE	<i>Astephanus triflorus</i> (L.f.) Schult.	bokhoring, melkblommetjie	Namaqualand to Plettenberg Bay	No change, coastal or inland bush						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
APOCYNACEAE	<i>Carissa bispinosa</i> (L.) Desf. ex Brenan	isibetha-nkunzi, noemnoem, num-num	Elim to tropical Africa	No change, coastal and karroid scrub						
APOCYNACEAE	<i>Cynanchum africanum</i> (L.) Hoffmanns.	bobbejaantou, bokhoring, klimop, monkey rope	Namaqualand to Cape Peninsula to E Cape	No change, sandy soils, mainly coastal						
APOCYNACEAE	<i>Cynanchum obtusifolium</i> L.f.	melktou, monkey rope	Cape Peninsula to Mozambique	No change, coastal bush						
ARALIACEAE	<i>Centella difformis</i> (Eckl. & Zeyh.) Adamson		Franschhoek Mts to Potberg	No change, coastal flats and lower slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	<i>Arctotheca calendula</i> (L.) Levyns	Cape weed, gousblom	Namaqualand and Karoo to Cape Peninsula and Humansdorp	No change, coastal areas or disturbed soil						
ASTERACEAE	<i>Arctotheca populifolia</i> (P.J.Bergius) Norl.	sea pumpkin, seepampoen	Saldanha to Mozambique	No change, coastal dunes						
ASTERACEAE	<i>Arctotis acaulis</i> L.	botterblom, marigold, renostergousblom	W Karoo and Bokkeveld Plateau to Langeberg Mts	South western extension of distribution, clay, granitic flats and limestones					1	1
ASTERACEAE	<i>Athanasia dentata</i> (L.) L.		Cape Peninsula to Struisbaai, George to Port Elizabeth	No change, sandy coastal					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes endemic						
ASTERACEAE	Athanasia quinquedentata Thunb.		Stanford to Port Elizabeth	No change, sandstone and limestone hills, endemic					1	
ASTERACEAE	Berkheya coriacea Harv.	disseldoring, witdissel	Agulhas to Albertinia	No change, limestone endemic					1	
ASTERACEAE	Chrysanthemoide s monilifera (L.) Norl.	bietou, boetabessie, bosluisbessie, brother berry	Namaqualand to tropical Africa	No change, sandstone and limestone slopes and flats						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	Chrysocoma coma-aurea L.		Cape Peninsula to Hermanus	No change, flats and lower slopes, regional endemic	1					
ASTERACEAE	Cineraria geifolia (L.) L.	cineraria	Cape Peninsula to S KwaZulu-Natal	No change, coastal bush						
ASTERACEAE	Corymbium africanum L.	heuningbossie, plampers	Cedarberg Mts to Grahamstown	No change, sandy flats and slopes						
ASTERACEAE	Cotula turbinata L.	batchelor buttons, ganskos	N Cedarberg Mts to Potberg	No change, sandy or disturbed areas, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	<i>Dimorphotheca nudicaulis</i> (L.) DC. var. <i>nudicaulis</i>	ox-eye daisy, wildemargriet, witmargriet	Bokkeveld Escarpment to George	No change, sandstone slopes, endemic					1	
ASTERACEAE	<i>Dimorphotheca pluvialis</i> (L.) Moench	Cape (rain) daisy, ox-eye daisy, reënblommetjie, witbotterblom	S Namibia to Gouritsmond	No change, sand and clay flats and slopes						
ASTERACEAE	<i>Disparago anomala</i> Schltr. ex Levyns		Cape Peninsula to Potberg	No change, coastal sands and limestone endemic					1	
ASTERACEAE	<i>Disparago ericoides</i> (P.J.Bergius) Gaertn.		Darling to Matroosberg and Gouritsmond	No change, sandstone slopes endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	<i>Edmondia sesamoides</i> (L.) Hilliard	everlasting, sewejaartjie, strooibloemetjie	Cedarberg Mts to Mossel Bay	No change, rocky flats and slopes, endemic					1	
ASTERACEAE	<i>Felicia aethiopica</i> (Burm.f.) Adamson & T.M.Salter subsp. <i>aethiopica</i>	wilde-aster, wilde-astertjie	Cedarberg Mts to KwaZulu-Natal	No change, rocky flats and slopes						
ASTERACEAE	<i>Felicia amoena</i> (Sch.Bip.) Levyns subsp. <i>latifolia</i> Grau		Cedarberg Mts to E Cape	No change, sandy slopes						
ASTERACEAE	<i>Felicia tenella</i> (L.) Nees subsp. <i>longifolia</i> (DC.) Grau	astertjie	Bokkeveld Mts to Albertinia	No change, coastal dunes endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	Gazania krebsiana Less.	botterblom, gousblom, rooigazania, rooigousblom	throughout southern Africa to Tanzania	No change, roadsides, flats or lower slopes						
ASTERACEAE	Gazania pectinata (Thunb.) Hartweg	Kaapserooigousblom	Saldanha to Potberg	No change, Coastal flats endemic					1	
ASTERACEAE	Gnaphalium pauciflorum DC.		Piketberg to Riversdale	Southern extension of distribution, flats and slopes, Cape endemic					1	
ASTERACEAE	Haplocarpha lanata (Thunb.) Less.	brandblom, brandbossie	Cape Peninsula to Swellendam	Eastern extension of distribution, sandstone slopes, Cape					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
ASTERACEAE	Helichrysum cochleariforme DC.	duineteebossie, gold-and-silver	Aurora to Gouriqua	No change, coastal sands endemic					1	
ASTERACEAE	Helichrysum crispum (L.) D.Don.	Hottentotskooigoed, kooigoed	Bloubergstrand to George	No change, coastal sands endemic					1	
ASTERACEAE	Helichrysum cymosum (L.) D.Don.		Mamre to Mpumalanga	No change, sandy slopes in damp places						
ASTERACEAE	Helichrysum dasyanthum	kooigoed	Namaqualand to Baviaanskloof Mts	No change, sandy flats						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	(Willd.) Sweet			and slopes						
ASTERACEAE	Helichrysum niveum (L.) Less.		Saldanha to Stilbaai	No change, coastal dunes endemic					1	
ASTERACEAE	Helichrysum pandurifolium Schrank		Bainskloof to Kouga Mts	No change, sandy flats and slopes, Cape endemic					1	
ASTERACEAE	Helichrysum patulum (L.) D.Don.	Hottentot's bedding, Hottentotskooigoed, kooigoed	Cape Peninsula to Mossel Bay	No change, sandy flats and slopes, often coastal, Cape endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	<i>Helichrysum retortum</i> (L.) Willd.		Bloubergstrand to Stilbaai	No change, coastal sands and cliffs, Cape endemic					1	
ASTERACEAE	<i>Hippia frutescens</i> (L.) L.	rankals	Ceres to Storms River	No change, sandstone slopes, often near streams or marshes, Cape endemic					1	
ASTERACEAE	<i>Metalsia brevifolia</i> (Lam.) Levyns	blombossie	Bokkeveld Mts to Cape Peninsula and to Port Elizabeth	No change, sandstone flats and slopes, Cape endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	<i>Metalasia densa</i> (Lam.) Karis	blombos	Namaqualand to N Province	Southern extension of distribution, sandy or stony flats and slopes						1
ASTERACEAE	<i>Metalasia muricata</i> (L.) D.Don.	blombos, steekbos, witsteekbossie	Yzerfontein to Transkei	No change, coastal sands to 300m						
ASTERACEAE	<i>Metalasia umbelliformis</i> P.O.Karis		Pearly Beach to Brandfontein	No change, limestone ridge and local endemic			1			
ASTERACEAE	<i>Nidorella auriculata</i> DC.		Caledon to tropical Africa	No change, damp places						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	<i>Oedera capensis</i> (L.) Druce		Cape Peninsula to Albertinia and Little Karoo	No change, dry stony flats and slopes, Cape endemic					1	
ASTERACEAE	<i>Oedera imbricata</i> Lam.		Yzerfontein to Grahamstown	No change, mountain slopes						
ASTERACEAE	<i>Osteospermum</i> sp. 2 G & M		Agulhas Peninsula	No change, limestone hills and local endemic				1		
ASTERACEAE	<i>Othonna filicaulis</i> Jacq.	bobbejaankooklimop	S Namibia to Uniondale	No change, sandy flats and slopes						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	Othonna quinquedentata DC.		Cape Peninsula to Langkloof	No change, rocky sandstone slopes, often damp places, regional endemic	1					
ASTERACEAE	Phaenocoma prolifera (L.) D.Don.	red everlasting, rooisewejaartjie	Ceres to Cape Peninsula to Robinson Pass	No change, sandstone slopes in fynbos, endemic					1	
ASTERACEAE	Plecostachys serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt	vaaltee	Langebaan to KwaZulu-Natal	No change, sandy coastal flats or damp slopes						
ASTERACEAE	Senecio arenarius	hongerblom	S Namibia and W Karoo	No change,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	Thunb.		to De Hoop	sandy flats, endemic						
ASTERACEAE	Senecio arniciflorus DC.		Mamre to Agulhas	No change, sandy coastal flats and lower slopes, endemic					1	
ASTERACEAE	Senecio burchellii DC.	geelgifbos, Molteno disease plant	Namibia to Cape Peninsula to Port Elizabeth	No change, sandy and stony slopes						
ASTERACEAE	Senecio elegans L.	strandblommetjie, veld cineraria, wild cineraria	Saldanha to Port Elizabeth	No change, coastal sands endemic					1	
ASTERACEAE	Senecio halimifolius L.	tabakbos	Lambert's Bay to Hermanus	No change, coastal sands					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
ASTERACEAE	Senecio hastifolius (L.f.) Less.		Olifants River Mts to Elim	Major southern extension of distribution, damp sandstone slopes and marshes, endemic					1	1
ASTERACEAE	Senecio maritimus L.	strandhongerblom	S Namaqualand to Agulhas	No change, coastal dunes and slopes						
ASTERACEAE	Senecio pillansii Levyns		Cape Peninsula to Elim	No change, coastal slopes and regional		1				

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
ASTERACEAE	Senecio triqueter DC.		Cape Peninsula to Ladismith and Pearly Beach	No change, rocky sandstone slopes, endemic					1	
ASTERACEAE	Seriphium plumosum L.	"koi"-kooigoed, slangbos	Throughout southern Africa	No change, rocky flats and slopes						
ASTERACEAE	Syncarpha argyropsis (DC.) B.Nord.	witsewejaartjie	Rooiels to Plettenberg Bay	No change, coastal slopes, endemic					1	
ASTERACEAE	Syncarpha gnaphaloides (L.) DC.	vlakteebossie, vlaktetee	Cape Peninsula and Tulbagh to Outeniqua Mts	No change, sandstone slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	<i>Syncarpha paniculata</i> (L.) B.Nord.	sewejaartjie, witsewejaartjie	Gifberg to Port Elizabeth	Southern extension of distribution, coastal and lower slopes, endemic					1	1
ASTERACEAE	<i>Trichogyne repens</i> (L.) Anderb.	witnaaldebossie	Vredenburg to Mossel Bay	No change, coastal dunes and sandy flats, endemic					1	
ASTERACEAE	<i>Ursinia tenuifolia</i> (L.) Poir.		Cape Peninsula to Albertinia	No change, sandy flats and slopes, usually seasonally wet, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASTERACEAE	Vellereophyton dealbatum (Thunb.) Hilliard		Namaqualand and W Karoo to Alexandria	No change, damp sandstone slopes						
BRASSICACEAE	Erucastrum strigosum (Thunb.) O.E.Schulz		Eastern Cape	Southern extension of distribution						1
BRASSICACEAE	Heliophila pusilla L.f.		Cold Bokkeveld to De Hoop	No change, clay soils, endemic					1	
BRUNIACEAE	Berzelia abrotanoides (L.) Brongn.	rooibeentjies	Elandsbaai to Potberg	No change, rocky sandstone slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
BRUNIACEAE	<i>Berzelia lanuginosa</i> (L.) Brongn.	kolkol, vleiknopbos, vleikolkol	Gifberg to Bredasdorp Mts	No change, damp sandstone slopes, seeps and streambanks, endemic					1	
BRUNIACEAE	<i>Brunia laevis</i> Thunb.	brunia, vaalstompie, vaaltol	Hottentots Holland Mts to Agulhas	No change, rocky sandstone and limestone slopes, regional endemic	1					
BRUNIACEAE	<i>Staavia radiata</i> Dahl	altydbos, altydbossie	Yzerfontein to Gouritsmond	No change, sandy flats and plateaus, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CAMPANULACEAE	Lobelia chamaepitys Lam.		Stellenbosch to Klein Swartberg and Bredasdorp	No change, sandstone slopes, endemic					1	
CAMPANULACEAE	Lobelia comosa L.	lobelia	Cape Peninsula to Caledon	No change, sandy coastal slopes, endemic					1	
CAMPANULACEAE	Lobelia coronopifolia L.	kussinglobelia, wild lobelia	Gifberg to Kleinrivier Mts	No change, sandy and stony flats and lower slopes, endemic					1	
CAMPANULACEAE	Roella arenaria Schltr.	prikkelstêr	Malmesbury to Bredasdorp	No change, sandy flats, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CAMPANULACEAE	Wahlenbergia calcarea (Adamson) Lammers		Pearly Beach to Stilbaai	No change, coastal limestone endemic					1	
CAMPANULACEAE	Wahlenbergia longifolia (A.DC.) Lammers	suikerpoppie	Hopefield to De Hoop	No change, coastal sands and limestone endemic					1	
CAMPANULACEAE	Wahlenbergia tenella (L.f.) Lammers		Mamre to E Cape	No change, sandy flats and slopes, often coastal						
CAMPANULACEAE	Wahlenbergia thunbergii (Schult.) B.Nord.		Western Cape	No change						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CARYOPHYLLACEAE	Herniaria capensis Bartl.		Ceres, Cape Peninsula to George, Graaff-Reinet	No change, sandy flats, usually coastal						
CARYOPHYLLACEAE	Silene bellidioides Sond.	wild tobacco, wildetabak	Tulbagh to Cape Peninsula and Port Elizabeth to Mpumalanga	No change, sandy flats and slopes						
CARYOPHYLLACEAE	Silene crassifolia L.		Saldanha Bay to Agulhas	No change, coastal dunes endemic					1	
CELASTRACEAE	Cassine peragua L.	bastard saffronwood, bastersaffraan, Cape saffron, ikhukhuzi, lepelhout	Bokkeveld Mountains to Cape Peninsula to Mpumalanga	No change, coastal scrub, woodland or forest margin						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CELASTRACEAE	Gymnosporia buxifolia (L.) Szyszyl.	gewonependoring, mnquqoba, stinkpendoring	widespread in southern and tropical Africa	No change, forest margins and disturbed areas						
CELASTRACEAE	Lauridia tetragona (L.f.) R.H.Archer	climbing saffron, ranksaffraan	Hermanus to N Province	No change, scrub						
CELASTRACEAE	Maytenus oleoides (Lam.) Loes.	klipkershout	Richtersveld to Cape Peninsula to Great Winterhoek Mts	No change, rocky slopes						
CELASTRACEAE	Maytenus procumbens (L.f.) Loes.	duinekokoboom, dune koko tree, umPhonophono	De Hoop to tropical Africa	No change, coastal dune forest						
CELASTRACEAE	Pterocelastrus tricuspidatus (Lam.) Sond.	cherrywood, kershout, utwina	Velddrif to Cape Peninsula to Port Edward	No change, dune scrub or forest						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CELASTRACEAE	<i>Putterlickia pyracantha</i> (L.) Szyszyl.	basterpendoring, pendoring, wildegranaat	Velddrif to E Cape	No change, riverbanks or coastal scrub						
CELTIDACEAE	<i>Celtis africana</i> Burm.f.	white stinkwood, witstinkhout	Cape Peninsula to tropical Africa	No change, forest						
CONVOLVULACEAE	<i>Falkia repens</i> L.f.	oortjies	Darling to E Cape	No change, damp coastal flats and seeps						
CRASSULACEAE	<i>Crassula dichotoma</i> L.	geel crassula	Namaqualand to Agulhas	No change, sandy flats						
CRASSULACEAE	<i>Crassula expansa</i> Dryand. subsp. <i>expansa</i>	strepiescrassula	S Namibia to Mozambique	No change, coastal sands and limestone						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CRASSULACEAE	Crassula expansa Dryand. subsp. filicaulis (Haw.) Tölken	strepiescrassula	S Namibia to Mozambique	No change, coastal sands and limestone						
CRASSULACEAE	Crassula fascicularis Lam.		Gifberg to Langeberg Mts	Southern extension of distribution, sandstone slopes, endemic					1	1
CRASSULACEAE	Crassula glomerata P.J.Bergius	brakvygie	Clanwilliam to Port Elizabeth	Southern extension of distribution, sandy, often coastal flats and limestone, endemic					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CRASSULACEAE	<i>Crassula nudicaulis</i> L.	bergplakkie, skraalplakkie	Bokkeveld Mts to N Province	No change, dry stony slopes						
CRASSULACEAE	<i>Crassula subulata</i> L. var. <i>subulata</i>		Bokkeveld Mts to Port Alfred	Southern extension of distribution, dry rocky slopes						1
CUCURBITACEAE	<i>Kedrostis nana</i> (Lam.) Cogn.	bryony, ystervarkpatat(s)	Saldanha to KwaZulu-Natal	No change, coastal scrub						
DIPSACACEAE	<i>Scabiosa incisa</i> Mill.	scabious	Bokbaai to Grahamstown	No change, coastal sands, often limestone						
DROSERACEAE	<i>Drosera trinervia</i> Spreng.	kleinsnotrosie, small sundew	Namaqualand to Agulhas	No change, peaty sandstone						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes						
EBENACEAE	<i>Euclea racemosa</i> Murray	bosghwarrie, bush guarri, kersbos, sea guarri, seeghwarrie	Namaqualand to E Cape	No change, coastal scrub						
ERICACEAE	<i>Erica axillaris</i> Thunb.	bruinbasterheide	Cape Peninsula to Knysna	No change, mountain slopes and flats, endemic					1	
ERICACEAE	<i>Erica calcareophila</i> E.G.H.Oliv.		Pearly Beach	No change, coastal limestone and local endemic				1		
ERICACEAE	<i>Erica coccinea</i> L.	vlaktheide	Clanwilliam to George	No change, common on					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	subsp. coccinea			rocky flats and mountains, endemic						
ERICACEAE	Erica colorans Andrews	tregterheide	Stanford to Elim	No change, wet areas at low altitude, local endemic			1			
ERICACEAE	Erica corifolia L.		Malmesbury to De Hoop	No change, common on sandy flats and middle to upper slopes, endemic					1	
ERICACEAE	Erica curviflora L.	grietjielangkarosheide, water heath, waterbos, waterheide		South western extension of distribution,					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				sandy places on upper slopes, endemic						
ERICACEAE	Erica discolor Andrews		Betty's Bay to Humansdorp and Swartberg	No change, coastal flats and lower mountain slopes, endemic					1	
ERICACEAE	Erica glabella Thunb.		Cape Peninsula to Breede River mouth	No change, sandy flats and lower to middle slopes, endemic					1	
ERICACEAE	Erica imbricata L.	kêr-kêr	Gifberg to Kouga Mts	Southern extension of distribution,					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				coastal sandy flats to middle altitude, endemic						
ERICACEAE	<i>Erica interrupta</i> (N.E.Br.) E.G.H.Oliv.		Pearly Beach to Elim	No change, sandy hills and flats, local endemic			1			
ERICACEAE	<i>Erica mammosa</i> L.	ninepin heath, rookklossieheide, spinnekopvoete	Cedarberg Mts to Bredasdorp	No change, sandy flats and lower mountain slopes, endemic					1	
ERICACEAE	<i>Erica nudiflora</i> L.		Cedarberg Mts to Witteberg and Bredasdorp	No change, coastal flats to inland high					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				altitude, endemic						
ERICACEAE	<i>Erica occulta</i> E.G.H.Oliv.		Pearly Beach	No change, cliffs on low limestone hills and local endemic				1		
ERICACEAE	<i>Erica parviflora</i> L.	bergheide	Du Toitskloof Mts to Cape Peninsula to Bredasdorp	No change, flats and slopes, often wet places, endemic					1	
ERICACEAE	<i>Erica plukenetii</i> L. subsp. <i>lineata</i> (Benth.) E.G.H.Oliv. & I.M.Oliv.		Namaqualand to Mossel Bay and Witteberg	No change, widespread						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ERICACEAE	<i>Erica propinqua</i> Guthrie & Bolus		Pearly Beach to De Hoop	No change, coastal limestone hills endemic					1	
ERICACEAE	<i>Erica pulchella</i> Houtt.		Cape Peninsula to Albertinia	No change, sandy flats and lower slopes, endemic					1	
ERICACEAE	<i>Erica sessiliflora</i> L.f.		Piketberg to Humansdorp	Southern extension of distribution, flats and mostly lower slopes, endemic					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ERICACEAE	<i>Erica tenella</i> Andrews		Houwhoek to Elim	No change, middle to upper mountain slopes, regional endemic	1					
FABACEAE	<i>Amphithalea biovulata</i> (Bolus) Granby		Kogelberg to De Hoop	No change, lowland fynbos, endemic					1	
FABACEAE	<i>Amphithalea ericifolia</i> (L.) Eckl. & Zeyh. subsp. <i>ericifolia</i>	persblom	Malmesbury to Albertinia	No change, mountain and lowland fynbos below 1500m, endemic					1	
FABACEAE	<i>Aspalathus</i>		Cape Peninsula to	No change,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	callosa L.		Bredasdorp	lowland fynbos, endemic						
FABACEAE	Aspalathus ciliaris L.		Clanwilliam to Humansdorp	No change, lowland fynbos, endemic					1	
FABACEAE	Aspalathus forbesii Harv.		Cape Peninsula to Stilbaai	No change, coastal fynbos, limestone and marine sand, endemic					1	
FABACEAE	Aspalathus hispida Thunb.	witertjebos	Namaqualand near Springbok, Gifberg to Alexandria	No change, fynbos scrub or coastal fynbos						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
FABACEAE	<i>Aspalathus sericea</i> P.J. Bergius		Hopefield to Agulhas	No change, coastal fynbos, flats, below 300m, endemic					1	
FABACEAE	<i>Aspalathus tylodes</i> Eckl. & Zeyh.		Cape Flats and Struisbaai to Albertinia	No change, coastal fynbos, endemic					1	
FABACEAE	<i>Indigofera alopecuroides</i> (Burm.f.) DC. var. <i>alopecuroides</i>		Stellenbosch to Humansdorp	No change, mountain and lowland fynbos						
FABACEAE	<i>Indigofera angustifolia</i> L.		Cape Peninsula to Riversdale	No change, lowland fynbos, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
FABACEAE	<i>Indigofera brachystachya</i> (DC.) E.Mey.		Cape Peninsula to Agulhas	No change, coastal limestone fynbos and regional endemic		1				
FABACEAE	<i>Indigofera cytisoides</i> (L.) L.		Cape Peninsula to Kleinrivier Mts	No change, mountain and riverine fynbos, endemic					1	
FABACEAE	<i>Lessertia frutescens</i> (L.) Goldblatt & J.C.Manning	cancer bush, kankerbos	Namaqualand and W Karoo to E Cape	No change, sandstone and shale flats and slopes						
FABACEAE	<i>Lessertia miniata</i> T.M.Salter		Cape Peninsula to Stilbaai	No change, coastal					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				fynbos, often limestone, endemic						
FABACEAE	Otholobium bracteolatum (Eckl. & Zeyh.) C.H.Stirt.	skaapbostee	Saldanha to Grahamstown	No change, coastal sandveld, limestone hills, endemic					1	
FABACEAE	Podalyria myrtillifolia		Tulbagh to Port Elizabeth	No change, sandstone limestone or shale flats, endemic					1	
FABACEAE	Psoralea repens L.	duine-ertjie	Cape Peninsula to E Cape	No change, coastal fynbos						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
FABACEAE	<i>Psoralea restioides</i> Eckl. & Zeyh.		Cape Peninsula to Bredasdorp	No change, mountain and lowland fynbos, marshy areas, endemic					1	
FABACEAE	<i>Xiphotheca fruticosa</i> (L.) A.L. Schutte & B.-E. van Wyk		Hex River Mts, Cape Peninsula to Touwsberg	No change, sandstone slopes in fynbos, endemic					1	
GENTIANACEAE	<i>Chironia baccifera</i> L.	bitterbessiebos, perdebossie	Namaqualand to KwaZulu-Natal	No change, sandy flats and slopes						
GENTIANACEAE	<i>Chironia jasminoides</i> L.		Bainskloof to Langeberg Mts	Southern extension of distribution,					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				marshy slopes, endemic						
GENTIANACEAE	Sebaea aurea (L.f.) Sm.	kleingeelnaeltjiesblom	Pakhuis Mts to Cape Peninsula to Humansdorp	No change, sandy flats and slopes, endemic					1	
GERANIACEAE	Geranium incanum Burm.f.	horlosies, vrouebossie	Cape Peninsula to Port Alfred	No change, stony slopes						
GERANIACEAE	Pelargonium alchemilloides (L.) L'Hér.		Saldanha Bay to N Province	No change, open, moist places						
GERANIACEAE	Pelargonium betulinum (L.) L'Hér.	kanferblaar, maagpynbossie, suurbos	Yzerfontein to Knysna	No change, coastal dune endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
GERANIACEAE	<i>Pelargonium capitatum</i> (L.) L'Hér.	kusmalva, rose-scented pelargonium	Lambert's Bay to KwaZulu-Natal	No change, coastal dunes and flats						
GERANIACEAE	<i>Pelargonium elegans</i> (Andrews) Willd.		Hermanus to Stilbaai, Port Elizabeth to Grahamstown	No change, coastal fynbos						
GERANIACEAE	<i>Pelargonium grossularioides</i> (L.) L'Hér.		Clanwilliam to KwaZulu-Natal	Southern extension of distribution, damp places						1
GERANIACEAE	<i>Pelargonium myrrhifolium</i> (L.) L'Hér. var. <i>coriandrifolium</i>	wildemalva	Kamiesberg to Uitenhage	No change, open places on stony sand						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
GERANIACEAE	<i>Pelargonium triste</i> (L.) L'Hér.	basbossie, kaneelbol, kaneeltjie, landwortel, naelblom, nagblom, rasmusbas, rooiwortel	Namaqualand to Albertinia	No change, sandy flats and slopes						
GRUBBIACEAE	<i>Grubbia rosmarinifolia</i> P.J.Bergius		Cold Bokkeveld Mts to Tsitsikamma Mts	No change, damp sandstone slopes, endemic					1	
LAMIACEAE	<i>Salvia africana-lutea</i> L.	bruinsalie, sandsalie, strandsalie, wild sage	Namaqualand to E Cape	No change, coastal dunes and slopes						
LAURACEAE	<i>Cassytha ciliolata</i>	false dodder,	Clanwilliam to E Cape	No change,						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	Nees	nooienshaar		parasite, various trees and shrubs						
LINACEAE	Linum africanum L.	African flax	Hopefield to Knysna	No change, sandstone and limestone slopes and flats, endemic					1	
MALVACEAE	Hermannia joubertiana Harv.		Hermanus to Mossel Bay	No change, limestone slopes						
MALVACEAE	Hermannia trifoliata L.		Hermanus to Gouritsmond	No change, coastal limestone soils endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
MESEMBRYANTHEMACEAE	Carpobrotus acinaciformis (L.) L.Bolus	elandsvy, Hottentot fig, sour fig, suurvvy	Saldanha to Mossel Bay	No change, coastal dune endemic						
MESEMBRYANTHEMACEAE	Drosanthemum candens (Haw.) Schwantes		Cape Peninsula to Bredasdorp	No change, coastal rocks, endemic					1	
MESEMBRYANTHEMACEAE	Drosanthemum intermedium (L.Bolus) L.Bolus		Simonstown to Mossel Bay	No change, coastal rocks, endemic					1	
MESEMBRYANTHEMACEAE	Jordaaniella dubia (Haw.) H.E.K. Hartmann	helderkruipvygie	Elandsbaai to Mossel Bay	No change, coastal dunes endemic					1	
MESEMBRYANTHEMACEAE	Jordaaniella		KwaZulu-Natal	Major						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	maritima (L.Bolus) Van Jaarsv.			southern extension of distribution						
MESEMBRYANTHEMACEAE	Lampranthus ceriseus (L.Bolus) L.Bolus		Cape Agulhas to Stilbaai	No change, limestone regional endemic		1				
MESEMBRYANTHEMACEAE	Lampranthus fergusoniae (L.Bolus) L.Bolus		Riversdale	South western extension of distribution, limestone dunes and local endemic				1		1
MESEMBRYANTHEMACEAE	Lampranthus tenuifolius (L.) N.E.Br.		Cape Peninsula	Eastern extension of distribution, in sand,			1			1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				local endemic						
MESEMBRYANTHACEAE	Mesembryanthemum canaliculatum Haw.	kruipevygie	Cape Peninsula to Port Elizabeth	No change, coastal dunes endemic					1	
MESEMBRYANTHACEAE	Mesembryanthemum vanrensborgii (L.Bolus) Klak	seepampoen	Hermanus to Bredasdorp	No change						
MESEMBRYANTHACEAE	Ruschia macowanii (L.Bolus) Schwantes	bosvygie	Yzerfontein to Agulhas	No change, coastal rocks, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
MYRICACEAE	<i>Morella cordifolia</i> (L.) Killick	candle berry, dune waxberry, glashout, wasbessie, waxberry	Yzerfontein to E Cape	No change, coastal sands and limestone						
MYRICACEAE	<i>Morella quercifolia</i> (L.) Killick	maagpynbossie	Namaqualand to E Cape	No change, coastal sandy and limestone flats and slopes						
MYRICACEAE	<i>Morella serrata</i> (Lam.) Killick	gammabos, wasbessie, waterolier, waxberry	Bainskloof to Mpumalanga and Caprivi	South eastern extension of distribution, rocky streamsides						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

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MYRSINACEAE	<i>Myrsine africana</i> L.		Bokkeveld Mts to Cape Peninsula to tropical Africa and Azores	No change, sandy slopes and flats in scrub						
OLEACEAE	<i>Chionanthus foveolatus</i> (E.Mey.) Stearn	fine-leaved ironwood	Cape Peninsula to Mpumalanga	No change, coastal bush and rocky slopes						
OLEACEAE	<i>Olea capensis</i> L. subsp. <i>capensis</i>	ysterhout	Olifants River Mts to E Cape and to tropical Africa	No change, forest and scrub						
OLEACEAE	<i>Olea exasperata</i> Jacq.	slanghout	Cape Peninsula to E Cape	No change, coastal scrub on sand and limestone						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
OROBANCHACEAE	Hyobanche sanguinea L.	katnaels, wolwekos	Southern Namibia to Swaziland	Southern extension of distribution, sandy slopes and flats						1
OXALIDACEAE	Oxalis commutata Sond.		Cold Bokkeveld to Cape Peninsula and Caledon	No change, endemic					1	
OXALIDACEAE	Oxalis eckloniana C.Presl		Clanwilliam to Caledon	No change, damp places, endemic						1
OXALIDACEAE	Oxalis purpurea L.	grootsuring	Namaqualand and W Karoo to Port Elizabeth	No change, flats and slopes						
PENAEACEAE	Penaea mucronata L.		Robertson and Cape Peninsula to Langeberg Mts	No change, rocky sandstone slopes,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
PLUMBAGINACEAE	<i>Limonium scabrum</i> (Thunb.) Kuntze	brakblommetjie, sea lavender	Cape Peninsula to E Cape	No change, coastal dunes and estuaries						
POLYGALACEAE	<i>Muraltia divaricata</i> Eckl. & Zeyh.		Groot Winterhoek Mts to Franschoek and Riviersonderend	No change, rocky sandstone slopes, endemic					1	
POLYGALACEAE	<i>Muraltia ericoides</i> (Burm.f.) Steud.		Darling to Humansdorp	No change, low granite or sandstone slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

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POLYGALACEAE	<i>Muraltia rubeacea</i> Eckl. & Zeyh.		Hottentots Holland and Riviersonderend Mts to Agulhas	No change, sandstone and limestone slopes, endemic					1	
POLYGALACEAE	<i>Muraltia satuireioides</i> DC.	skilpadbos	Cape Peninsula to Knysna	No change, coastal calcareous sands, endemic					1	
POLYGALACEAE	<i>Nylandtia spinosa</i> (L.) Dumort.	bokbessie, skilpadbessie	Namaqualand and W Karoo to E Cape	Southern extension of distribution, sandy flats and slopes						1
POLYGALACEAE	<i>Polygala garcinii</i> DC.		Bokkeveld Mts to Knysna	Southern extension of					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				distribution, sandy and clay slopes, endemic						
POLYGALACEAE	Polygala meridionalis Levyns		Cape Peninsula to De Hoop	No change, coastal sandy and limestone slopes and flats, endemic					1	
POLYGALACEAE	Polygala myrtifolia L.	Septemberbos	Bokkeveld Mts to KwaZulu-Natal	Southern extension of distribution, rocky slopes						1
POLYGALACEAE	Polygala refracta DC.		Cedarberg Mts to E Cape	Southern extension of distribution, rocky						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				sandstone slopes						
POLYGALACEAE	<i>Polygala uncinata</i> E.Mey. ex Meisn.		Humansdorp to Zimbabwe	South western extension of distribution, sandstone slopes in grassy fynbos						1
POLYGONACEAE	<i>Rumex acetosella</i> L. subsp. <i>angiocarpus</i> (Murb.) Murb.	boksuring, sheep sorrel	Cosmopolitan weed	No change, disturbed areas						
POLYGONACEAE	<i>Rumex cordatus</i> Poir.		Namaqualand and W Karoo to E Cape	Southern extension of distribution, sandy flats						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				and slopes						
PROTEACEAE	<i>Aulax pallasia</i> Stapf	dunbeentjebos, kersbos, naaldblaarkanariebos, needle-leaf featherbush	Cold Bokkeveld to Swellendam	Southern extension of distribution, sandstone slopes, endemic					1	1
PROTEACEAE	<i>Aulax umbellata</i> (Thunb.) R.Br.	Christmasblom, sekelbos	Kogelberg to Stilbaai	No change, sandstone slopes and flats, endemic					1	
PROTEACEAE	<i>Leucadendron coniferum</i> (L.) Meisn	duinegeelbos, dune cone-bush, geelbos, rooitolbos	Cape Peninsula to Soetanyberg	No change, coastal dunes endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
PROTEACEAE	Leucadendron linifolium (Jacq.) R.Br.	knoppiesbos, kraaltolbos	Eersterivier to Riversdale	No change, waterlogged coastal flats endemic					1	
PROTEACEAE	Leucadendron meridianum I.Williams	geelbos, limestone conebush	Gansbaai to Gouritsmond	No change, limestone flats endemic					1	
PROTEACEAE	Leucadendron salignum P.J.Bergius	common sunshine conebush, geelbos, geeltolbos, knobbos, knoppiesbos, rooibos, stompieknobos, sunshine bush	Bokkeveld Mts to Grahamstown	Southern extension of distribution, sandy and clay slopes and flats						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
PROTEACEAE	Leucadendron xanthoconus (Kuntze) K.Schum.	sickle-leaf conebrush	Cape Peninsula to Potberg	No change, sandstone slopes, endemic					1	
PROTEACEAE	Leucospermum cordifolium (Salisb. ex Knight) Fourc.	bobbejaanklou, luisie, pincushion, speldekussing	Kogelberg to Soetanyberg	No change, rocky sandstone slopes, endemic					1	
PROTEACEAE	Leucospermum heterophyllum (Thunb.) Rourke	rankluisie	Elim to De Hoop	South western extension of distribution, coastal slopes and flats endemic					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
PROTEACEAE	Leucospermum hypophyllocarpod endron (L.) Druce subsp. hypophyllocarpod endron	kruipluisiebos, slangbossie	Piketberg to Agulhas Coast	No change, sandy flats, endemic					1	
PROTEACEAE	Leucospermum patersonii E.Phillips	basterkreupelhout	Kleinmond to Agulhas	No change, coastal limestone and regional endemic		1				
PROTEACEAE	Leucospermum pedunculatum Klotzsch		Danger Point to Agulhas	No change, coastal dunes and regional endemic		1				
PROTEACEAE	Leucospermum truncatum	buxifolium, patrysbos	Groenland Mts to Bredasdorp	Southern extension of	1					1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	(Salisb. ex Knight) Rourke			distribution, sandy slopes and flats, regional endemic						
PROTEACEAE	Mimetes cucullatus (L.) R.Br.	common pagoda, rooistompie	Cold Bokkeveld to Outeniqua and Kouga Mts	No change, sandstone slopes and flats, endemic					1	
PROTEACEAE	Mimetes saxatilis E.Phillips	geelstompie, rooistompie, stomoie	Pearly Beach to Struisbaai	No change, limestone outcrops and local endemic				1		
PROTEACEAE	Protea compacta R.Br.	Bot River protea, compacta, suikerbos, suikerkan	Betty's Bay to Bredasdorp Mts	Southern extension of distribution, coastal					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes and flats endemic						
PROTEACEAE	<i>Protea cynaroides</i> (L.) L.	bergroos, grootsuikerroos, king protea	Gifberg to Port Elizabeth	No change, moist sandstone slopes, endemic					1	
PROTEACEAE	<i>Protea longifolia</i> Andrews	long-leaf sugarbush, swartbaard, wolkop	Hottentots Holland Mts to Agulhas	No change, gravel flats and lower slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
PROTEACEAE	<i>Protea obtusifolia</i> H.Buek. ex Meisn.	Bredasdorp protea, Bredasdorp sugarbush, limestone sugarbush	Stanford to Stilbaai	No change, limestone flats and hills endemic					1	
PROTEACEAE	<i>Protea susannae</i> E.Phillips	stinkblaar, stinkblaarsuikerbos	Stanford to Stilbaai	No change, coastal limestone and sand endemic					1	
PROTEACEAE	<i>Serruria elongata</i> (P.J.Bergius) R.Br.		Du Toitskloof to Agulhas	No change, sandy flats and slopes, endemic					1	
PROTEACEAE	<i>Serruria fasciflora</i> Salisb. ex Knight	fynspinnepkopbos, spinnepkopbos, spinnepkopbossie	Hopefield to George	No change, sandy flats and lower slopes,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
PROTEACEAE	Serruria nervosa Meisn.	fluted spiderhead	Kleinrivier and Bredasdorp Mts	No change, sandstone slopes, endemic					1	
PROTEACEAE	Spatalla curvifolia Salisb. ex Knight		Kogelberg to Agulhas coast	No change, sandstone slopes, regional endemic	1					
PROTEACEAE	Spatalla ericoides E.Phillips		W Agulhas coast	No change, coastal sands between limestone ridges, local endemic				1		

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RANUNCULACEAE	Knowltonia vesicatoria (L.f.) Sims subsp. humilis H.Rasmussen		Bokkeveld Mts to Cape Peninsula to E Cape	No change, scrub or woody ravines						
RHAMNACEAE	Phyllica amoena Pillans		Agulhas coast	No change, coastal dunes and local endemic				1		
RHAMNACEAE	Phyllica axillaris Lam. var. maritima Pillans		Agulhas coast to Katberg and Alexandria	No change, rocky slopes in coastal bush or forest margins						
RHAMNACEAE	Phyllica disticha Eckl. & Zeyh.		Cape Peninsula to Hermanus	No change, sandstone						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes						
RHAMNACEAE	Phylica dodii N.E. Br.		Cape Peninsula to Knysna	No change, sandy or limestone flats and slopes, endemic					1	
RHAMNACEAE	Phylica ericoides L.		Saldanha to Port Elizabeth	No change, coastal slopes and deep sands						
RHAMNACEAE	Phylica humilis Sond.		Sir Lowry's Pass to Bredasdorp	No change, sandstone slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RHAMNACEAE	<i>Phyllica imberbis</i> P.J.Bergius		Bokkeveld Mts to Knysna and Swartberg Mts	No change, sandstone slopes and flats, endemic					1	
RHAMNACEAE	<i>Trichocephalus stipularis</i> (L.) Brongn.	hondegesiggie	Cedarberg Mts to Knysna	Southern extension of distribution, sandy flats and lower slopes, endemic					1	1
ROSACEAE	<i>Cliffortia falcata</i> L.f.		Cape Peninsula to Knysna	No change, coastal slopes, endemic					1	
ROSACEAE	<i>Cliffortia ferruginea</i> L.f.	glastee, pypsteelbos, teringtee	Cape Peninsula to Port Elizabeth	No change, near water,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				usually on lower slopes, endemic						
ROSACEAE	Cliffortia ilicifolia L.	doringtee, Jankoensdoring	Cape Peninsula to Port Elizabeth	No change, sandstone slopes, endemic					1	
ROSACEAE	Cliffortia stricta Weim.		Cape Peninsula to Humansdorp	No change, flats and lower slopes, endemic					1	
ROSACEAE	Cliffortia strobilifera L.	kammiebos, pypsteelbos, vleibos	Kamiesberg and Bokkeveld Mts to KwaZulu-Natal	Southern extension of distribution, moist sandstone flats and lower slopes						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RUBIACEAE	Anthospermum aethiopicum L.	jakkalstert, katstert, seeroogbossie	Bokkeveld Escarpment to E Cape	Southern extension of distribution, usually clay slopes						1
RUBIACEAE	Anthospermum prostratum Sond.		Saldanha to Port Elizabeth	No change, coastal dunes endemic					1	
RUBIACEAE	Anthospermum spathulatum Spreng.	skaapbos	Namaqualand to E Cape	Southern extension of distribution, sandy soils						1
RUBIACEAE	Galium tomentosum Thunb.	klee gras	S Namibia to E Cape and Free State	Southern extension of distribution, scrub						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RUTACEAE	Adenandra viscida Eckl. & Zeyh.		Kleinrivier Mts to Agulhas	No change, sandstone or limestone hills, regional endemic	1					
RUTACEAE	Agathosma bifida (Jacq.) Bart. & H.L.Wendl.		Bokkeveld to Outeniqua Mts	Southern extension of distribution, sandy mountain slopes and flats, endemic					1	
RUTACEAE	Agathosma cerefolium (Vent.) Bartl. & H.L.Wendl.	anysboegoe, klamboegoe	Hermanus to Humansdorp	No change, coastal lime sands and limestone flats and hills,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
RUTACEAE	Agathosma dielsiana Schltr. ex Dümmer		Bredasdorp to George	Southern extension of distribution, dunes or limestone hills, endemic					1	1
RUTACEAE	Agathosma geniculata Pillans		Stanford to Stilbaai	No change, coastal limestone endemic					1	
RUTACEAE	Agathosma haelkraalensis P.A.Bean MS		Avila to Hagelkraal	South western extension of distribution, sheltered				1		1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				crevices in limestone, endemic						
RUTACEAE	Agathosma serpyllacea Licht. ex Roem. & Schult.		Piketberg to Humansdorp	Southern extension of distribution, coastal or inland sand or limestone flats and slopes, endemic					1	1
RUTACEAE	Diosma awilana I. Williams		Baardskeedersbos	Western extension of distribution, stony calcareous sands						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RUTACEAE	Diosma haelkraalensis I.Williams		Pearly Beach to Hagelkraal	No change, limestone hills endemic					1	
RUTACEAE	Euchaetis burchellii Dummer		Gansbaai to George	No change, coastal dunes endemic					1	
SANTALACEAE	Osyris compressa (P.J.Bergius) A.DC.	pruimbas	Cedarberg Mts to tropical Africa	Southern extension of distribution, sandstone slopes						1
SANTALACEAE	Osyris speciosa (A.W.Hill) J.C.Manning & Goldblatt		Houwhoek to Agulhas	No change, coastal sandstone and limestone	1					

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				flats and slopes, regional endemic						
SANTALACEAE	Thesium aggregatum A.W.Hill		Namaqualand to Bredasdorp, Humansdorp	No change, sandstone flats and slopes						
SANTALACEAE	Thesium subnudum Sond.		Olifants River Mts to Port Elizabeth	Southern extension of distribution, sandstone slopes, endemic					1	1
SAPOTACEAE	Sideroxylon inerme L. subsp. inerme		Cape Peninsula to tropical Africa	No change, sand dunes and coastal bush						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
SCROPHULARIACEAE	Chaenostoma hispidum (Thunb.) Druce		Cape Peninsula to Bredasdorp	No change						
SCROPHULARIACEAE	Chaenostoma subspicatum Benth.		Western Cape	No change						
SCROPHULARIACEAE	Dischisma ciliatum (P.J.Bergius) Choisy subsp. erinoides (L.f.) Roessler		Lokenberg to Port Elizabeth	Southern extension of distribution, rocky slopes and flats, endemic					1	1
SCROPHULARIACEAE	Hebenstretia dentata L.	slakblom	Namaqualand to Cape Peninsula	Eastern extension of distribution, rocky sandstone soils						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
SCROPHULARIACEAE	Jamesbrittenia albomarginata Hilliard		Gansbaai to Stilbaai	No change, coastal limestone flats and dunes in scrub, endemic					1	
SCROPHULARIACEAE	Jamesbrittenia calciphila Hilliard		Pearly Beach to Stilbaai	No change, coastal limestone rocks and cliffs, endemic					1	
SCROPHULARIACEAE	Lyperia lychnidea (L.) Druce	soettraanblommetjie	Saldanha Bay to Stilbaai	No change, coastal sands in scrub, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
SCROPHULARIACEAE	<i>Manulea caledonica</i> Hilliard		Stanford to Stilbaai	No change, sandy calcareous soils, endemic					1	
SCROPHULARIACEAE	<i>Manulea crassifolia</i> Benth.		Northern Province	Southern extension of distribution						
SCROPHULARIACEAE	<i>Microdon dubius</i> (L.) Hilliard		Kamiesberg to Ladismith	Southern extension of distribution, rocky sandstone slopes						1
SCROPHULARIACEAE	<i>Nemesia affinis</i> Benth.	bontleeubekkie, leeubekkie, weeskindertjie(s)	S Namibia to E Cape	Southern extension of distribution, sandy and						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				granite slopes and flats						
SCROPHULARIACEAE	Selago diffusa Thunb.		Gansbaai to Stilbaai	No change, coastal slopes, endemic					1	
SCROPHULARIACEAE	Selago polystachya L.		Saldanha to Gansbaai	No change, rocky slopes, endemic					1	
SCROPHULARIACEAE	Selago scabrada Thunb.		Cape Peninsula to Swellendam	Southern extension of distribution, rocky slopes, endemic					1	1
SCROPHULARIACEAE	Selago setulosa Rolfe		Hagelkraal to Mossel Bay	Major western extension of				1		1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				distribution, limestone hills and local endemic						
SCROPHULARIACEAE	Zaluzianskya capensis (L.) Walp.		Namaqualand to E Cape	Southern extension of distribution, sandy places						1
SCROPHULARIACEAE	Zaluzianskya villosa F.W.Schmidt	drumsticks	Langebaan to Pearly Beach	No change, sandy flats along the coast, endemic					1	
SOLANACEAE	Solanum africanum Mill.	dronkbessie, dronktou, melkellie	Cape Peninsula to KwaZulu-Natal	No change, coastal dunes in bush						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
THYMELAEACEAE	Gnidia juniperifolia Lam.		Cape Peninsula to Riversdale	No change, mountain slopes, endemic					1	
THYMELAEACEAE	Gnidia pinifolia L.	witkoorsbossie	Piketberg to E Cape	Southern extension of distribution, flats to middle slopes						1
THYMELAEACEAE	Gnidia tenella (Meisn.) Meisn.		Ceres to Bredasdorp	No change, mountain slopes, endemic					1	
THYMELAEACEAE	Passerina corymbosa Eckl. ex C.H.Wright	sandgonnabas	Tulbagh to E Cape	No change, sandy, often disturbed flats and						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes						
THYMELAEACEAE	<i>Passerina paleacea</i> Wikstr.		Saldanha Bay to Agulhas	No change, coastal dunes endemic					1	
THYMELAEACEAE	<i>Passerina rigida</i> Wikstr.	duinegonnabas, gonnabas	Cape Peninsula to KwaZulu-Natal	No change, coastal dunes						
THYMELAEACEAE	<i>Passerina truncata</i> (Meisn.) Bredenkamp & A.E.van Wyk	bakkerbos, skoenveterbos, veterbos	Namaqualand and Bokkeveld Mts to Baviaanskloof	Southern extension of distribution, sandy and stony flats, endemic					1	1
THYMELAEACEAE	<i>Struthiola dodecandra</i> (L.) Druce		Cape Peninsula to Bredasdorp, Knysna	No change, flats and lower slopes,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
THYMELAEACEAE	<i>Struthiola striata</i> Lam.	katstert, veërtjie	Yzerfontein to Mossel Bay, Uitenhage	No change, flats and lower slopes, endemic					1	
Urticaceae	<i>Droguetia iners</i> (Forssk.) Schweinf.		Cape Peninsula to Indonesia	No change, coastal forest, scrub and among rocks						
VISCACEAE	<i>Viscum capense</i> L.f.	Cape mistletoe, mistletoe, voëlent	S Namibia to Caledon	Slight south eastern extension of distribution, parasitic on various shrubs						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ZYGOPHYLLACEAE	Roepera flexuosum Eckl. & Zeyh.	spekbossie	Velddrif to Knysna	No change, coastal sands and limestone endemic					1	
ZYGOPHYLLACEAE	Roepera fulva L.	spekbossie	Gifberg to Port Elizabeth	Southern extension of distribution, sandy flats and rocky slopes, endemic					1	1
ZYGOPHYLLACEAE	Roepera fuscata Van Zyl		Betty's Bay to De Hoop	No change, sandy flats on coastal limestone, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
AMARYLLIDACEAE	<i>Brunsvigia orientalis</i> (L.) Aiton ex Eckl.	candelabra flower, kandelaar, koningskandelaar (blom)	S Namaqualand to Cape Peninsula and Knysna	No change, coastal lowlands						
AMARYLLIDACEAE	<i>Haemanthus coccineus</i> L.	April fool, poeierkwas, rooikwas, velskoenblaar	S Namibia to Port Elizabeth	Southern extension of distribution, coastal scrub and rocky slopes						1
AMARYLLIDACEAE	<i>Haemanthus sanguineus</i> Jacq.	brandelie, velskoenblaar	Nardouw Mts to Port Elizabeth	No change, lower slopes, endemic					1	
ARACEAE	<i>Zantedeschia aethiopica</i> (L.) Spreng.	arum, arum lily, calla lily, pig lily, varkblom	Richtersveld, Kamiesberg, Bokkeveld Mts to N Province	Southern extension of distribution, seasonally						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				damp places						
ASPARAGACEAE	<i>Asparagus aethiopicus</i> L.	haakdoring	Namaqualand to Transkei	Southern extension of distribution, mainly dry bush						1
ASPARAGACEAE	<i>Asparagus asparagoides</i> (L.) Druce	breëblaarklimop, breëblaarkransie, krulkransie	Gifberg to Port Elizabeth to tropical Africa	No change, widespread in bush						
ASPARAGACEAE	<i>Asparagus capensis</i> L.	katbos, katdoring, wag-'n-bietjie, wag-'n-bietjebos	S Namibia to Transkei	Southern extension of distribution, rocky slopes						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASPARAGACEAE	<i>Asparagus rubicundus</i> P.J.Bergius	swarthaakdoring	Kamiesberg, Gifberg to Uitenhage	Southern extension of distribution, sandy and granite slopes						1
ASPARAGACEAE	<i>Asparagus scandens</i> Thunb.		Gifberg to Tsitsikamma Mts	South western extension of distribution, forest and bush in shade, endemic					1	1
ASPARAGACEAE	<i>Asparagus stipulaceus</i> Lam.		Cape Peninsula to Bredasdorp	No change, coastal dune endemic						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
ASPHODELACEAE	<i>Trachyandra ciliata</i> (L.f.) Kunth	hotnotskool, wildeblomkool	Namibia to Grahamstown	No change, damp sandy coastal flats						
ASPHODELACEAE	<i>Trachyandra divaricata</i> (Jacq.) Kunth	duinekool, hottentotskool	Namaqualand to Port Alfred	No change, littoral dunes and sand flats						
ASPHODELACEAE	<i>Trachyandra revoluta</i> (L.) Kunth		Richtersveld to Port Alfred	No change, sandy flats						
COLCHICACEAE	<i>Colchicum eucomoides</i> (Jacq.) J.C.Manning & Vinnersten		Namaqualand to E Cape	Southern extension of distribution, clay flats and slopes						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CYPERACEAE	<i>Ficinia bulbosa</i> (L.) Nees		Cedarberg Mts to E Cape	Southern extension of distribution, strandveld, coastal and mountain fynbos						1
CYPERACEAE	<i>Ficinia capitella</i> (Thunb.) Nees		W Karoo, Ceres to Caledon	No change, flats and slopes below 1700m						
CYPERACEAE	<i>Ficinia deusta</i> (P.J.Bergius) Levyns		Namaqualand to Knysna	South western extension of distribution, mountain slopes below 1700m						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CYPERACEAE	<i>Ficinia filiformis</i> (Lam.) Schrad.		Western Cape	No change						
CYPERACEAE	<i>Ficinia lateralis</i> (Vahl) Kunth	dune sedge	Cape Peninsula to E Cape	No change, coastal sands						
CYPERACEAE	<i>Ficinia nodosa</i> (Rottb.) Goetgh.	steekbiesie, vleibiesie	Namaqualand to KwaZulu-Natal and widespread in S hemisphere	No change, damp sandy flats in coastal areas						
CYPERACEAE	<i>Ficinia oligantha</i> (Steud.) J.Raynal		Clanwilliam to Knysna	Southern extension of distribution, lower slopes, endemic					1	1
CYPERACEAE	<i>Ficinia praemorsa</i> Nees		Stanford to Mossel Bay	No change, limestone flats					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
CYPERACEAE	<i>Ficinia ramosissima</i> Kunth		Cape Peninsula to E Cape	No change, lower slopes and rock crevices in shade						
CYPERACEAE	<i>Ficinia secunda</i> (Vahl) Kunth		Cedarberg Mts to Mossel Bay	Southern extension of distribution, sandy flats below 1000m, endemic					1	1
CYPERACEAE	<i>Ficinia zeyheri</i> Boeck.		Cape Peninsula to Uniondale	No change, sandy soil in mountain seeps below 1700m,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
CYPERACEAE	Hellmuthia membranacea (Thunb.) R.Haynes & K.Lye	biesie, knobbiesie	Saldanha to Knysna	No change, coastal sands below 500m, endemic					1	
CYPERACEAE	Isolepis antarctica (L.) Roem. & Schult.		Cape Peninsula to Langeberg Mts	No change, damp flats and slopes to 800m, endemic					1	
CYPERACEAE	Neesenbeckia punctoria (Vahl) Levyns		Cape Peninsula to Caledon	Slight south eastern extension of distribution, streamsides on lower		1				1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes to 800m, regional endemic						
CYPERACEAE	Schoenoxiphium lanceum (Thunb.) Kuk.		Cape Peninsula to Humansdorp	No change, shady lower slopes, endemic					1	
CYPERACEAE	Schoenus nigricans L.		Cape Peninsula to E Cape, more or less worldwide	No change, marshes and watercourses on flats and lower slopes below 200m						
CYPERACEAE	Tetraria brachyphylla Levyns		Cape Peninsula to Plettenberg Bay	No change, sandy coastal dunes and lower slopes					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				below 200m, endemic						
CYPERACEAE	Tetraria bromoides (Lam.) Pfeiffer	bergpalmiet	Porterville to Cape Peninsula to Uitenhage	No change, dry mountain fynbos up to 1500m, endemic					1	
CYPERACEAE	Tetraria capillacea (Thunb.) C.B.Clarke		Cape Peninsula to E Cape	No change, mountain slopes to 1500m, dry to moist mountain fynbos						
CYPERACEAE	Tetraria compacta Levyns		Villiersdorp to Kleinmond	South eastern extension of distribution,			1			1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				lower slopes, local endemic						
CYPERACEAE	Tetraria compar (L.) Lestib.		Cape Peninsula to Albertinia	No change, sandy lower slopes and coastal slopes, endemic					1	
CYPERACEAE	Tetraria cuspidata (Rottb.) C.B.Clarke		Cedarberg Mts to Cape Peninsula to Mpumalanga	No change, mountain slopes						
CYPERACEAE	Tetraria exilis Levyns		Du Toit's Kloof Mts to Kleinmond	No change, flats and slopes, regional endemic	1					

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
CYPERACEAE	<i>Tetraria flexuosa</i> (Thunb.) C.B.Clarke		Ceres to Cape Peninsula to Riversdale	No change, flats to middle slopes, endemic					1	
CYPERACEAE	<i>Tetraria thermalis</i> (L.) C.B.Clarke	bergpalmiet	Cape Peninsula to Riversdale	No change, rocky flats and slopes below 1000m, endemic					1	
HAEMODORACEAE	<i>Wachendorfia paniculata</i> Burm.	koffiepit, rooikanol, spinnekopblom	Bokkeveld Mts to Port Elizabeth	Southern extension of distribution, mainly sandstone soils, endemic					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
HYACINTHACEAE	<i>Albuca cooperi</i> Baker	blougif, geldbeursie	Richtersveld and W Karoo to Cape Peninsula to Willowmore	No change, stony, mostly sandy slopes and flats, sometimes limestone						
HYACINTHACEAE	<i>Albuca juncifolia</i> Baker	kleintamarak	Ceres to Cape Peninsula to Mossel Bay	No change, sandy and calcareous flats, endemic					1	
IRIDACEAE	<i>Aristea africana</i> (L.) Hoffmanns.	blousuurkanol, koringblommetjie, maagbossie	Gifberg to Bredasdorp and Riversdale	No change, sandy flats and mountain slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
IRIDACEAE	<i>Aristea glauca</i> Klatt		Ceres and Cape Peninsula to Riversdale	No change, coastal and lower slopes, endemic					1	
IRIDACEAE	<i>Bobartia longicyma</i> J.B.Gillett subsp. <i>magna</i> J.B.Gillett ex Strid		Kuilsrivier to Potberg	No change, sandy flats and lower slopes, endemic					1	
IRIDACEAE	<i>Chasmanthe aethiopica</i> (L.) N.E.Br.	kleinpiempiemie, suurkanolpypie	Darling to E Cape	No change, hills and flats on granite, sandstone, or shale, mainly coastal in bush or forest margins						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
IRIDACEAE	<i>Ferraria crispa</i> Burm.	krulletjie, spinnekopblom, uiltjie	Lambert's Bay to Mossel Bay, Little Karoo	No change, mainly coastal, sandstone or granite rocks, endemic					1	
IRIDACEAE	<i>Gladiolus bullatus</i> Thunb. ex G.J.Lewis	berg (mountain) bluebell, Caledon bluebell	Kogelberg to Potberg	No change, sandstone slopes in fynbos, endemic					1	
IRIDACEAE	<i>Gladiolus debilis</i> Ker Gawl.	kalkoentjie, little painted lady, painted lady	Cape Peninsula to Bredasdorp	No change, rocky sandstone slopes, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
IRIDACEAE	Gladiolus martleyi L.Bolus		Bokkeveld Mts to Riversdale	South western extension of distribution, sandy and rocky flats and lower slopes to 200m, endemic					1	1
IRIDACEAE	Gladiolus variegatus (G.J.Lewis) Goldblatt & J.C.Manning		Gansbaai to Cape Agulhas	No change, limestone outcrops and regional endemic		1				
IRIDACEAE	Hesperantha falcata (L.f.) Ker Gawl.	bontrokaandblom, bontrokkie	Bokkeveld Mts to Port Elizabeth	Southern extension of distribution, sandstone and shale					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes, endemic						
IRIDACEAE	<i>Ixia odorata</i> Ker Gawl.	geelkalossie, soetkalossie	Citrusdal to Hermanus	South eastern extension of distribution, sandstone and granite slopes, endemic					1	1
IRIDACEAE	<i>Ixia polystachya</i> L.	koringblommetjie, witkalossie	Cedarberg to Caledon	No change, granitic and sandstone slopes and flats, endemic					1	
IRIDACEAE	<i>Moraea bulbifera</i>	uintjie tulp	Cape Peninsula to Alexandria	No change, sandstone						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	(G.J.Lewis) Goldblatt			and limestone soils, mainly coastal						
IRIDACEAE	Moraea fugax (D.Delaroche) Jacq.	hottentotsbrood, hottentotsuintjie, hottentotuintjie, soetuintjie, uintjie	Namaqualand to Swellendam	Southern extension of distribution, deep sands and rocky sandstone and granitic soils						1
IRIDACEAE	Moraea neglecta G.J.Lewis	geelflappie	Bokkeveld Mts to Agulhas coast	No change, deep sandy soils, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
IRIDACEAE	Moraea tripetala (L.f.) Ker Gawl.	blou-uintjie, dwergtulp, kleinuintjie, perde-uintjie, tulp	Bokkeveld Mts and W Karoo to Riversdale and Swartberg Mts	No change, rocky sandstone and clay soils, to 1200m						
IRIDACEAE	Romulea dichotoma (Thunb.) Baker		Stanford to Humansdorp	No change, sandy flats and slopes, endemic					1	
IRIDACEAE	Tritoniopsis burchellii (N.E.Br.) Goldblatt		Riebeeck-Kasteel to Albertinia	Southern extension of distribution, rocky sandstone slopes, 200-600m, endemic					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
IRIDACEAE	Watsonia stenosiphon L.Bolus		Hermanus to Potberg	No change, sandy coastal flats endemic					1	
JUNCACEAE	Juncus kraussii Hochst. subsp. kraussii	biesie, rush	Cape Peninsula to Mozambique, Australia, S America	No change, saline marshes						
LANARIACEAE	Lanaria lanata (L.) T.Durand & Schinz	Cape eidelweiss, kapokblom, perdekapok	Bainskloof to E Cape	Southern extension of distribution, clay and sandstone slopes						1
ORCHIDACEAE	Bonatea speciosa (L.f.) Willd. var. speciosa	moederkappie, Oktoberlelie	Yzerfontein to Zimbabwe	South eastern extension of distribution, coastal scrub						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				and forest margins						
ORCHIDACEAE	<i>Corycium orobanchoides</i> (L.f.) Sw.	bastertrewwa	Klawer to Albertinia	South western extension of distribution, sandy flats, endemic					1	1
ORCHIDACEAE	<i>Disa bracteata</i> Sw.	orgideetjie, orgidekie	Vredendal to E Cape	No change, fynbos, especially roadsides						
ORCHIDACEAE	<i>Disa densiflora</i> (Lindl.) Bolus		Cape Peninsula to Bredasdorp and Storms River mouth	No change, sandy soils, endemic					1	
ORCHIDACEAE	<i>Satyrium carneum</i>	rooikoppie, rooitrewwa	Cape Peninsula to	No change, coastal flats					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
	(Dryand.) Sims		Riversdale	endemic						
ORCHIDACEAE	Satyrium ligulatum Lindl.		Namaqualand to KwaZulu-Natal	Southern extension of distribution, scrub, forest and grassland						1
POACEAE	Aristida junciformis Trin. & Rupr.	wire grass	Cedarberg Mts to tropical E Africa	Southern extension of distribution, mountain slopes						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
POACEAE	<i>Cymbopogon marginatus</i> (Steud.) Stapf ex Burt Davy	(scented) turpentine grass, lemon grass, motwortelrperpentyngras, muskusgras, stinkgras, terpentyngras	Namaqualand to E Cape	No change, rocky lower slopes						
POACEAE	<i>Cynodon dactylon</i> (L.) Pers.	Bermuda grass, couch, fine quick grass, fynkweek, gewone kweekgras	throughout Africa	No change, mountains and flats						
POACEAE	<i>Ehrharta calycina</i> Sm.	common ehrharta, polgras, rooigras, roisaadgras	Namaqualand to KwaZulu-Natal	Southern extension of distribution, flats and slopes						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
POACEAE	<i>Ehrharta erecta</i> Lam.		Cape Peninsula to E Africa	No change, shady habitats, often weedy						
POACEAE	<i>Ehrharta villosa</i> Schult.f. var. <i>villosa</i>	pypgras	St. Helena Bay to Port Elizabeth	No change, coastal dune endemic					1	
POACEAE	<i>Festuca scabra</i> Vahl	munniksgras	widespread in southern Africa	No change, dry flats and slopes						
POACEAE	<i>Hyparrhenia hirta</i> (L.) Stapf	thatch grass	widespread through Africa and Mediterranean	No change, disturbed areas and grassland						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
POACEAE	<i>Imperata cylindrica</i> (L.) Raeuschel	beddinggras, cotton-wool grass, donsgras, silwergaargras, sygras	tropical African weed	No change, wet habitats						
POACEAE	<i>Koeleria capensis</i> (Steud.) Nees	polgras, strandgras	Namaqualand to KwaZulu-Natal	Southern extension of distribution, coastal sands and mountain slopes						1
POACEAE	<i>Merxmuellera cincta</i> (Nees) Conert		Olifants River Mts to E Cape	No change, streamsides						
POACEAE	<i>Merxmuellera rufa</i> (Nees) Conert	brandgras	Bokkeveld Mts to Hermanus	No change sandstone slopes,					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				endemic						
POACEAE	Pentaschistis aristidoides (Thunb.) Stapf		Bokkeveld Mts to Agulhas	No change, rocky sandstone slopes, endemic					1	
POACEAE	Pentaschistis calcicola H P Linder		Gansbaai to Cape Infanta	No change, limestone pavements, endemic					1	
POACEAE	Pentaschistis curvifolia (Schrad.) Stapf	kwasgras, tasel grass	Bokkeveld Mts to Grahamstown	Southern extension of distribution, sandstone slopes, especially shallow soils and paths						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
POACEAE	<i>Pentaschistis pallida</i> (Thunb.) H.P.Linder	duinegras, haasgras	Namaqualand to E Cape	Southern extension of distribution, slopes and flats						1
POACEAE	<i>Pseudopentameris macrantha</i> (Schrad.) Conert		Cape Peninsula to Stilbaai	No change, sandstone slopes, endemic					1	
POACEAE	<i>Sporobolus virginicus</i> (L.) Kunth	brakgras, brakkweek, sea rush grass	worldwide	No change, dunes, beaches and coastal marshes						
POACEAE	<i>Stenotaphrum secundatum</i> (Walter) Kuntze	buffalo grass, buffelsgras, kweekgras	Cape Peninsula to pantropical	No change, sandy coastal slopes and						

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				flats						
POACEAE	<i>Stipa dregeana</i> Steud.		Cape Peninsula to E tropical Africa	No change, forest margins						
POACEAE	<i>Stipagrostis zeyheri</i> (Nees) De Winter	Cape Bushman grass, steekgras	Namaqualand to Mpumalanga	Southern extension of distribution, sandy flats						1
POACEAE	<i>Themeda triandra</i> Forssk.	red grass, rooigras	throughout tropical Africa and Asia	No change, widespread in grassland						
POACEAE	<i>Tribolium hispidum</i> (Thunb.) Desv.	haasgras	Namaqualand to E Cape	Southern extension of distribution, flats and						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes						
POACEAE	<i>Tribolium uniolae</i> (L.f.) Renvoize	koringgras	Bokkeveld Mts to Port Elizabeth	Southern extension of distribution, clay and granite flats, endemic					1	1
RESTIONACEAE	<i>Calopsis fruticosa</i> (Mast.) H.P.Linder		Cape Peninsula to Gouritz River mouth (Linder, 2002)	No change, coastal limestone endemic					1	
RESTIONACEAE	<i>Calopsis hyalina</i> (Mast.) H.P.Linder		Sir Lowry's Pass to Caledon Swartberg, to the Soetany'sberg (Linder, 2002)	No change, flats, endemic					1	
RESTIONACEAE	<i>Calopsis pulchra</i> Esterh.		Pearly Beach to Struisbaai	No change, limestone			1			

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				and sandstone flats, local endemic						
RESTIONACEAE	<i>Elegia cuspidata</i> Mast.	blombiesie	Bokbaai to Kleinmond	South eastern extension of distribution, coastal dunes endemic					1	1
RESTIONACEAE	<i>Elegia equisetacea</i> (Mast.) Mast.		Langeberg Mts: Swellendam to Van Staden's Mts	No change, endemic					1	
RESTIONACEAE	<i>Elegia filacea</i> Mast.		Cedarberg to Port Elizabeth	Southern extension of distribution, damp flats and sandy					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				slopes to 2100m, endemic						
RESTIONACEAE	<i>Elegia hookeriana</i> (Mast.) Pillans		Western Cape	No change						
RESTIONACEAE	<i>Elegia juncea</i> L.	besemriet, vlerkiesriet	Groot Winterhoek Mts and Cape Peninsula to Swartberg Mts	No change, endemic					1	
RESTIONACEAE	<i>Elegia microcarpa</i> (Kunth) Pillans		Melkbos to Port Elizabeth	No change, coastal sands and limestones, endemic					1	
RESTIONACEAE	<i>Elegia nuda</i> (Rottb.) Kunth		Darling to Albertinia	No change, sandy flats, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RESTIONACEAE	<i>Elegia stipularis</i> Mast.	cushion restio	Cape Peninsula to Mossel Bay	No change, endemic					1	
RESTIONACEAE	<i>Elegia tectorum</i> (L.f.) Raf.	besemriet, dakriet, dekriet, olifanriet	Clanwilliam to Port Elizabeth	No change, marshes and seeps on deep sands, endemic					1	
RESTIONACEAE	<i>Hypodiscus aristatus</i> (Thunb.) Mast.		Clanwilliam to Baviaanskloof Mts	No change, sandstone soils, endemic					1	
RESTIONACEAE	<i>Hypodiscus procurrans</i> Esterh.		Agulhas Peninsula	No change, local endemic			1			
RESTIONACEAE	<i>Hypodiscus rigidus</i> Mast.		Soetanytsberg to Witsand	No change, coastal limestone		1				

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				and regional endemic						
RESTIONACEAE	Hypodiscus willdenowia (Nees) Mast.		Cold Bokkeveld to Humansdorp	Southern extension of distribution, sandy slopes and flats, endemic					1	1
RESTIONACEAE	Ischyrolepis eleocharis (Nees ex Mast.) H.P.Linder	katstert, katsterriet	Cape Peninsula to Port Elizabeth	No change, coastal limestone slopes, endemic					1	
RESTIONACEAE	Ischyrolepis leptocladus (Mast.) H.P.Linder	besemriet	Betty's Bay to Knysna	No change, coastal sands, endemic					1	

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RESTIONACEAE	Mastersiella digitata (Thunb.) Gilg-Ben.		Cape Peninsula to Potberg	No change, endemic					1	
RESTIONACEAE	Restio bifidus Thunb.		Cape Peninsula to Kleinrivier Mts	No change, endemic					1	
RESTIONACEAE	Restio bifurcus Nees ex Mast.		Cape Peninsula to Caledon, Witteberg	No change, rocky slopes, endemic					1	
RESTIONACEAE	Restio bolusii Pillans		Worcester to Bredasdorp	No change, endemic					1	
RESTIONACEAE	Restio egregius Hochst.		Cape Peninsula to Villiersdorp and Bredasdorp	No change, endemic					1	
RESTIONACEAE	Restio triticeus Rottb.	besemgoed, besemriet, kanet	Malmesbury to E Cape	Southern extension of distribution						1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
RESTIONACEAE	Staberoha banksii Pillans		Worcester and Cape Peninsula to Bredasdorp	No change, sandstone slopes at low altitude, endemic					1	
RESTIONACEAE	Thamnochortus erectus (Thunb.) Mast.	dekriet, jakkalsstert, jakkalssterriet, wyfieriet	Malmesbury to Knysna	Southern extension of distribution, endemic					1	1
RESTIONACEAE	Thamnochortus fraternus Pillans		Cape Peninsula to Bredasdorp	No change, limestone endemic					1	
RESTIONACEAE	Thamnochortus fruticosus P.J.Bergius	besemriet	Tulbagh to KwaZulu-Natal	Southern extension of distribution						1
RESTIONACEAE	Thamnochortus guthrieae Pillans		Malmesbury to Bredasdorp	South western					1	1

APPENDIX 4.2.3. DISTRIBUTION OF SPECIES RECORDED AT BANTAMSKLIP: ENDEMICS

Family	Species name	Common names	Distribution (Goldblatt & Manning, 2000)	Comments	Regional endemics	Regional and habitat endemic	Local endemics	Local and habitat endemics	>100km habitat endemics	Range extensions
				extension of distribution, endemic						
RESTIONACEAE	Thamnochortus pellucidus Pillans	dwegriet	Caledon to Bredasdorp	Southern extension of distribution, regional endemic	1					1
RESTIONACEAE	Willdenowia teres Thunb.		Ceres to Uniondale	Southern extension of distribution, endemic					1	1
TOTAL					10	8	6	10	212	92

APPENDIX 4.2.4. EXPLANATION OF ABBREVIATIONS APPEARING IN FIGURE 4.2.11

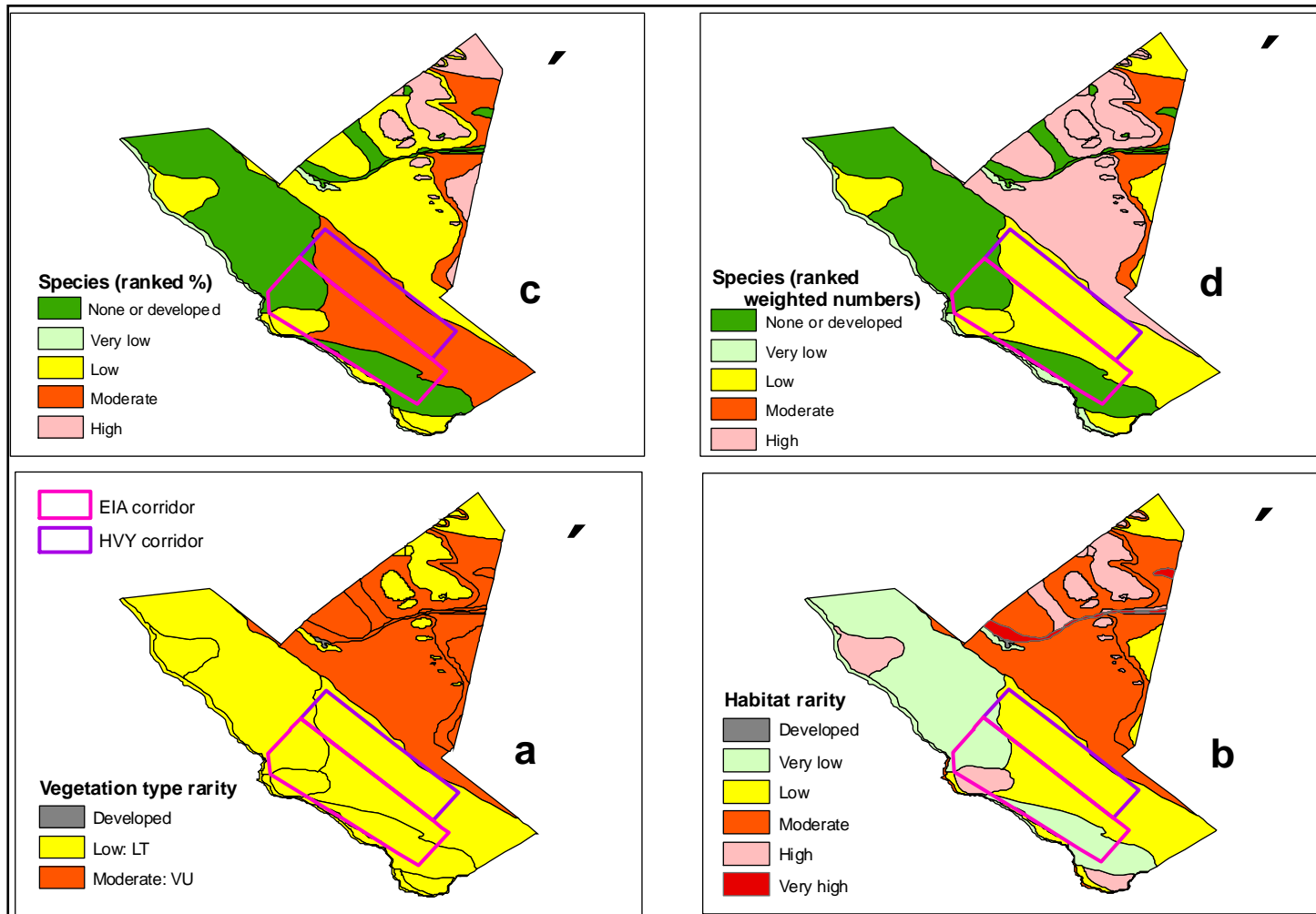
BANTAMSKLP CALC	Bantamsklip calcareous
BRNFNTN DT	Brandfontein dune thicket
GRTBS CALC	Grootbos calcareous
PAAPKFNTN CALC	Paapekuilsfontein calcareous
PEARLY BCH CALC	Pearly Beach calcareous
QUOIN PT CALC	Quoin Point calcareous
RENKOP PAR	Renosterkop parabolic dunes
SANDBRG S/L	Sandberg (Cape Agulhas) sand over limestone
SPRNGFNTN LSTN & DNS	Springfontyn limestone and dunes\
UILKRLMND CALC	Uilkraalmond calcareous
WALKBY CALC	Walker Bay calcareous

APPENDIX 4.2.5. CALCULATION OF RARITY & SENSITIVITY AT BANTAMSKLIP

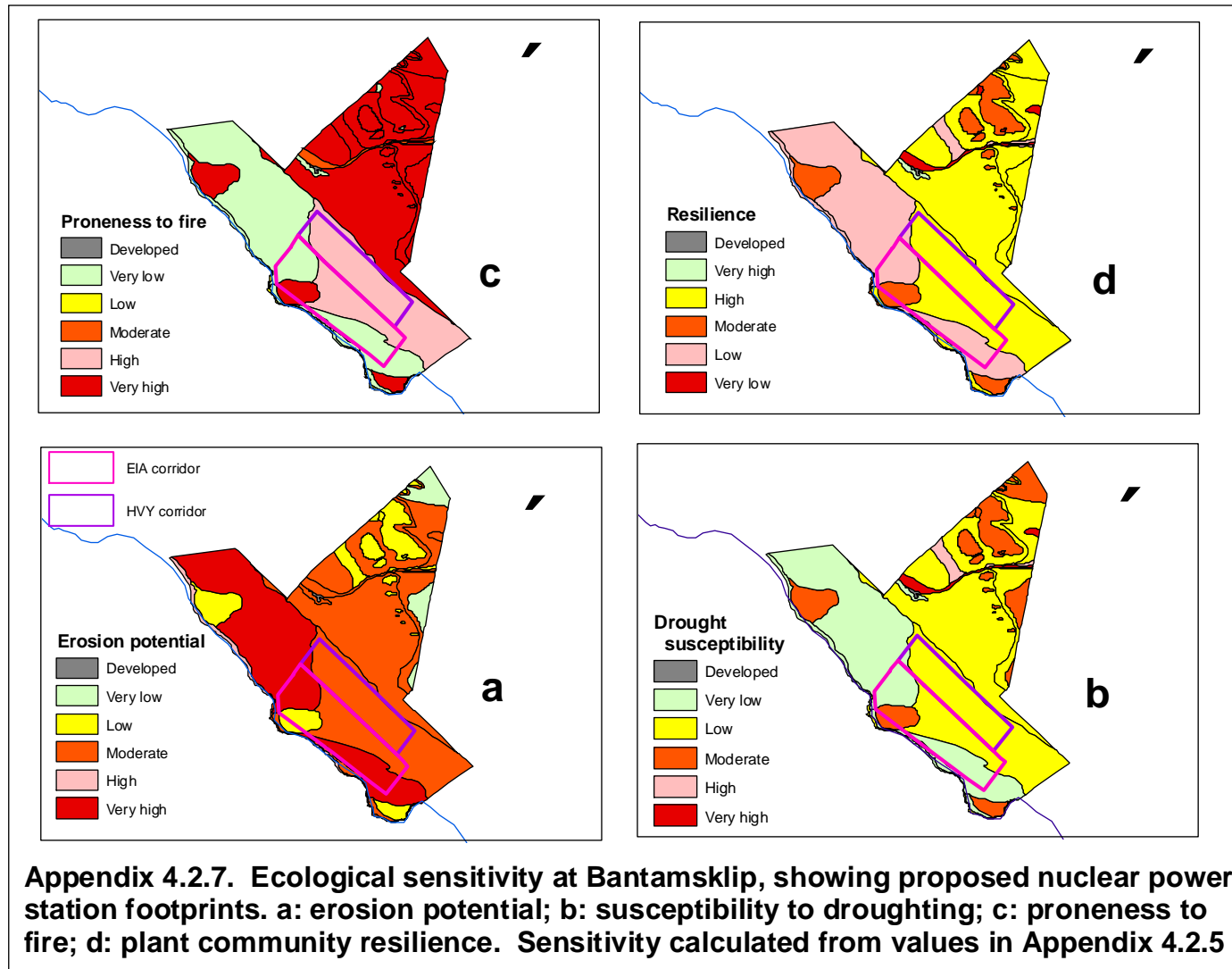
Plant community	Description	Vegetation type	Rarity									Sensitivity					
			Conservation status	No red data species	Veg type	Habitat	Species rarity (%)	Weighted species rarity rating	Species rarity class	Overall rarity rating	Rarity class	Erosion	Droughting	Fire	Resilience	Total sensitivity	Sensitivity class
BK1	Rocky shore vegetation: shallow calcareous sand over sandstone	Cape Seashore Vegetation	LT	1	1	3	4.2	1	2	12	3	3	2	2	3	17	3
BK2 & BK3	Primary & foredune vegetation	Overberg Dune Strandveld	LT	1	1	1	2.9	1	2	6	2	4	1	1	4	16	3
BK4	Dune thicket on transverse dunes	Overberg Dune Strandveld	LT	0	1	1	0.0	0	0	5	1	5	1	1	4	18	3
BK5	Dwarf coastal dune thicket	Overberg Dune Strandveld	LT	6	1	2	6.8	1	3	9	2	3	1	1	2	12	3
BK6	Inland dune thicket on deep calcareous sand	Overberg Dune Strandveld	LT	8	1	1	4.1	1	2	6	2	3	1	1	1	11	3
BK7	Forest on inland limestone	Southern Coastal Forest	LT	0	1	4	0.0	0	0	14	3	2	3	1	5	19	3
BK8	Dune fynbos on deep calcareous sand over limestone	Overberg Dune Strandveld	LT	8	1	2	11.9	2	4	10	2	3	2	4	2	18	3
BK9	Fynbos on coastal limestone	Agulhas Limestone Fynbos	LT	8	1	4	7.4	2	3	16	4	2	3	5	3	21	4
BK10	Fynbos on inland limestone	Agulhas Limestone Fynbos	LT	15	1	4	14.7	4	4	18	3	2	3	5	3	21	4

APPENDIX 4.2.5. CALCULATION OF RARITY & SENSITIVITY AT BANTAMSKLIP

Plant community	Description	Vegetation type	Rarity									Sensitivity					
			Conservation status	No red data species	Veg type	Habitat	Species rarity (%)	Weighted species rarity rating	Species rarity class	Overall rarity rating	Rarity class	Erosion	Droughting	Fire	Resilience	Total sensitivity	Sensitivity class
BK11	Proteoid fynbos on inland sandstone	Overberg Sandstone Fynbos	LT	10	1	2	17.9	2	5	10	2	1	3	5	2	18	3
BK12	Proteoid fynbos on acid sand	Agulhas Sand Fynbos	V	10	2	3	14.1	3	4	16	4	3	2	5	2	19	3
BK13	Berzelia seep fynbos, mainly along Hagelkraal River	Agulhas Sand Fynbos	V	0	2	4	0.0	1	0	17	4	2	4	5	4	25	4
BK14	Proteoid fynbos on neutral sand	Agulhas Sand Fynbos	V	13	1	3	9.8	3	3	14	3	3	2	5	2	19	3
BK15	Wetland off upper Hagelkraal River	Cape Lowland Freshwater Wetlands	V	0	2	5	0.0	0	0	19	4	3	5	5	5	31	5
BK16	Riverine vegetation and longitudinal wetlands of Groot Hagelkraal River	Cape Lowland Freshwater Wetlands	V	0	2	5	0.0	0	0	19	4	3	5	3	5	29	4



Appendix 4.2.6. Rarity at Bantamsklip, showing position of nuclear power station footprints. a: vegetation type; b: habitat; c: species (%); d: species (weighted numbers). Rarity calculated from values in Appendix 4.2.5



APPENDIX 4.3.1. PLANT SPECIES RECORDED FROM THYSPUNT: INDIVIDUAL SITES

NT: Near Threatened; R: Rare, VU: vulnerable EN: Endangered, CR: Critically Endangered

LC: Least Concern; DD: Data Deficient; De: Declining

Report produced by the SaSFLORA database: data (C) Coastec; database design and structures (C) Reuben Roberts 1998-2008

COMMUNITY T1: ROCKY SHORE

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE

- Aizoon
- rigidum L.f.
- Tetragonia
- decumbens Mill.

ANACARDIACEAE

- Rhus
- crenata Thunb.

APIACEAE

- Dasispermum
- suffruticosum (P.J.Bergius) B.L.Burt

APOCYNACEAE

- Cynanchum
- obtusifolium L.f.

ASTERACEAE

- Chrysanthemoides
- monilifera (L.) Norl.
- Cotula
- mariae Bremer & Humphries
- Disparago
- cf. ericoides (P.J.Bergius) Gaertn.
- Felicia
- amoena (Sch.Bip.) Levyns subsp. latifolia Gra
- echinata (Thunb.) Less.

- Gazania
- rigens (L.) Gaertn.

- Helichrysum
- cf. crispum (L.) D.Don.
- patulum (L.) D.Don.
- teretifolium (L.) D.Don.

- Metalasia
- cf. densa (Lam.) Karis

- Senecio
- elegans L.
- rosmarinifolius L.f.

- Syncarpha
- sordescens (DC.) B.Nord. VU

BRASSICACEAE

- Heliophila
- subulata Burch. ex DC.

CARYOPHYLLACEAE

- Silene
- bellidioides Sond.
- cf. primuliflora Eckl. & Zeyh.

CELASTRACEAE

- Maytenus
- procumbens (L.f.) Loes.
- Robsonodendron
- cf. maritimum (Bolus) R.H.Archer

CRASSULACEAE

- Crassula
- expansa Dryand. subsp. expansa
- cf. nudicaulis L.

EBENACEAE

- Euclea
- racemosa Murray

FABACEAE

- Indigofera
- tomentosa Eckl. & Zeyh.
- Lessertia
- stenoloba E. Mey.
- Psoralea
- repens L. NT

GENTIANACEAE

- Chironia
- cf. tetragona L.f.

MESEMBRYANTHEMACEAE

- Carpobrotus
- deliciosus (L.Bolus) L.Bolus LC
- Delosperma
- cf. patersoniae (L.Bolus) L.Bolus
- Drosantherum
- cf. hispidum (L.) Schwantes
- Mesembryanthemum
- splendens L. subsp. splendens

OLEACEAE

- Olea
- capensis L. subsp. capensis

PLANTAGINACEAE

- Plantago
- crassifolia Forssk.

PLUMBAGINACEAE

- Limonium
- scabrum (Thunb.) Kuntze

POLYGALACEAE

- Polygala
- microlopha DC.

RHAMNACEAE

- Phylla
- litoralis (Eckl. & Zeyh.) D.Dietr.

RUBIACEAE

- Anthospermum
- prostratum Sond.

RUTACEAE

- Agathosma
- apiculata G.Mey.

SANTALACEAE

- Osyris
- compressa (P.J.Bergius) A.DC.
- Thesidium
- fragile (Thunb.) Sond.

SAPOTACEAE

- Sideroxylon
- inerme L. subsp. inerme

SCROPHULARIACEAE

- Chaenostoma
- hispidum (Thunb.) Druce

SOLANACEAE

- Solanum
- africanum Mill. LC

THYMELAEACEAE

- Passerina
- rigida Wikstr.

VISCACEAE

- Viscum
- obscurum Thunb.

ZYGOPHYLLACEAE

- Roepera
- maritima Sond.

Division: Anthophyta

Class: Monocotyledones

ARACEAE

- Zantedeschia
- aethiopica (L.) Spreng.

ASPARAGACEAE

- Asparagus
- aethiopicus L.

COMMUNITY T1: ROCKY SHORE (contd.)

ASPHODELACEAE

Trachyandra
cf. ciliata (L.f.) Kunth LC

COLCHICACEAE

Colchicum
cf. eucomoides (Jacq.) J.C.Manning & Vinnersten

CYPERACEAE

Carex
cf. aethiopica Schkuhr
Cyperus
natalensis Hochst.
Ficinia
indica (Lam.) Pfeiffer
lateralis (Vahl) Kunth

HYACINTHACEAE

Albuca
cf. cooperi Baker

ORCHIDACEAE

Bonatea
speciosa (L.f.) Willd. var. speciosa LC

POACEAE

Ehrharta
calycina Sm.
Sporobolus
virginicus (L.) Kunth
Stenotaphrum
secundatum (Walter) Kuntze

RESTIONACEAE

Elegia
microcarpa (Kunth) Pillans

Total named species:	63
Total genera:	56
Total families:	36
Total red data species:	2

COMMUNITY T2: PRIMARY DUNES

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE
Tetragonia
decumbens Mill.

ANACARDIACEAE
Rhus
glauca Thunb.

APIACEAE
Dasispernum
suffruticosum (P.J.Bergius) B.L.Burtt

APOCYNACEAE
Cynanchum
obtusifolium L.f.

ASTERACEAE
Arctotheca
populifolia (P.J.Bergius) Norl.
Chrysanthemoides
monilifera (L.) Norl.
Felicia
amoena (Sch.Bip.) Levyns subsp. latifolia Grau
Gazania
rigens (L.) Gaertn.
Helichrysum
teretifolium (L.) D.Don.
Metalasia
muricata (L.) D.Don.
Senecio
cf. litorosus Fourc.
Seriphium
plumosum L.
Syncarpha
argentea (Thunb.) B.Nord.

BRASSICACEAE
Heliophila
linearis (Thunb.) DC.

CELASTRACEAE
Pterocelastrus
tricuspidatus (Lam.) Sond. LC
Robsonodendron
maritimum (Bolus) R.H.Archer

CRASSULACEAE
Crassula
cf. pubescens Thunb. subsp. pubescens

FABACEAE
Tephrosia
capensis (Jacq.) Pers.

GOODENIACEAE
Scaevola
cf. plumieri (L.) Vahl

MESEMBRYANTHEMACEAE
Carpobrotus
acinaciformis (L.) L.Bolus LC

MYRICACEAE
Morella
cordifolia (L.) Killick

PLANTAGINACEAE
Plantago
crassifolia Forssk.

SANTALACEAE
Osyris
compressa (P.J.Bergius) A.DC.

SCROPHULARIACEAE
Hebenstretia
cordata L.

SOLANACEAE
Solanum
africanum Mill. LC

THYMELAEACEAE
Passerina
rigida Wikstr.

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE
Carex
cf. aethiopica Schkuhr
Ficinia
lateralis (Vahl) Kunth

POACEAE
Ehrharta
villosa Schult.f.
Sporobolus
virginicus (L.) Kunth

Total named species:	30
Total genera:	30
Total families:	19
Total red data species:	0

COMMUNITY T3: TRANSVERSE DUNES

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE
Rhus
 glauca Thunb.

ASTERACEAE
Cotula
 mariae Bremer & Humphries
Disparago
 cf. *ericoides* (P.J.Bergius) Gaertn.
Felicia
 amoena (Sch.Bip.) Levyns subsp. *latifolia* Grau
 echinata (Thunb.) Less.
Helichrysum
 cymosum (L.) D.Don.
 litorale Bolus
Metalasia
 muricata (L.) D.Don.
Senecio
 cf. *pellucidus* DC.
 rosmarinifolius L.f.
Seriphium
 cf. *plumosum* L.

BRASSICACEAE
Heliophila
 subulata Burch. ex DC.

CARYOPHYLLACEAE
Silene
 primuliflora Eckl. & Zeyh.

CONVOLVULACEAE
Dichondra
 micrantha Urban

CRASSULACEAE
Crassula
 tetragona L.

FABACEAE
Otholobium
 cf. *virgatum* (Burm.f.) C.H.Stirt.
Psoralea
 repens L. NT

GENTIANACEAE
Chironia
 baccifera L.

LINACEAE
Linum
 africanum L.

MESEMBRYANTHEMACEAE
Carpobrotus
 cf. *deliciosus* (L.Bolus) L.Bolus LC

MYRICACEAE
Morella
 cordifolia (L.) Killick

RUBIACEAE
Anthospermum
 cf. *aethiopicum* L.

SCROPHULARIACEAE
Zaluzianskya
 maritima (L.f.) Walp.

THYMELAEACEAE
Passerina
 cf. *rigida* Wikstr.

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE
Cyperus
 natalensis Hochst.
Ficinia
 lateralis (Vahl) Kunth
 nodosa (Rottb.) Goetgh.

IRIDACEAE
Aristea
 ecklonii Baker

ORCHIDACEAE
Disa
 chrysostachya Sw.
Eulophia
 speciosa (R.Br. ex Lindl.) Bolus De

POACEAE
Ehrharta
 villosa Schult.f. var. *maxima*
Merxmüllera
 cincta (Nees) Conert subsp. *sericea* N.P.Barker VU

Total named species:	32
Total genera:	28
Total families:	18
Total red data species:	3

COMMUNITY T4: COASTAL DWARF THICKET

Division: Anthophyta

Class: Dicotyledones

AIZOACEAE
Tetragonia
fruticosa L.

ANACARDIACEAE
Rhus
crenata Thunb.
glauca Thunb.
laevigata L.f.
lucida L. forma scoparia (Eckl. & Zeyh.) Moffett

APOCYNACEAE
Carissa
bispinosa (L.) Desf. ex Brenan
Secamone
alpini Schult.

ARALIACEAE
Cussonia
cf. thyrsoiflora Thunb.

ASTERACEAE
Chrysanthemoides
monilifera (L.) Norl.
Disparago
cf. ericoides (P.J.Bergius) Gaertn.
Helichrysum
teretifolium (L.) D.Don.
Metalasia
muricata (L.) D.Don.

BRASSICACEAE
Lepidium
africanum (Burm.f.) DC.

CELASTRACEAE
Cassine
peragua L.
Lauridia
tetragona (L.f.) R.H.Archer
Maytenus
procumbens (L.f.) Loes.
Mystroxyton
aethiopicum (Thunb.) Loes.
Pterocelastrus
tricuspidatus (Lam.) Sond. LC
Putterlickia
pyracantha (L.) Szyszyl.

CUCURBITACEAE
Kedrostis
cf. nana (Lam.) Cogn.

EBENACEAE
Euclea
racemosa Murray

FABACEAE
Rhynchosia
caribaea (Jacq.) DC.

GENTIANACEAE
Chironia
baccifera L.

GERANIACEAE
Pelargonium
capitatum (L.) L'Hér.

MENISPERMACEAE
Cissampelos
capensis L.f.

OLEACEAE
Chionanthus
foveolatus (E.Mey.) Stearn subsp. foveolatus
Olea
capensis L. subsp. capensis
exasperata Jacq.

RUBIACEAE
Psydrax
obovata Eckl. & Zeyh. subsp. obovata

RUTACEAE
Agathosma
apiculata G.Mey.

SANTALACEAE
Osyris
compressa (P.J.Bergius) A.DC.

SAPOTACEAE
Sideroxyton
inerme L. subsp. inerme

THYMELAEACEAE
Passerina
corymbosa Eckl. ex C.H.Wright
rigida Wikstr.

VITACEAE
Rhoicissus
digitata (L.f.) Gilg & M.Brandt

Division: Anthophyta

Class: Monocotyledones

ASPARAGACEAE
Asparagus
aethiopicus L.
africanus Lam.

CYPERACEAE
Ficinia
ramosissima Kunth

IRIDACEAE
Chasmanthe
aethiopica (L.) N.E.Br.

ORCHIDACEAE
Bonatea
cf. speciosa (L.f.) Willd. var. speciosa LC

POACEAE
Ehrharta
villosa Schult.f. var. villosa

RESTIONACEAE
Ischyrolepis
leptoclados (Mast.) H.P.Linder

Total named species:	42
Total genera:	36
Total families:	26
Total red data species:	0

COMMUNITY T5: TALL THICKET

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE
Rhus
 crenata Thunb.
 glauca Thunb.
 cf. laevigata L.f.

APOCYNACEAE
Carissa
 bispinosa (L.) Desf. ex Brenan
Cynanchum
 obtusifolium L.f.

ARALIACEAE
Centella
 hermannifolia (Eckl. & Zeyh.) Domin
Cussonia
 cf. thyriflora Thunb.

ASTERACEAE
Cineraria
 erodioides DC.
Helichrysum
 cf. cymosum (L.) D.Don.
Tarchonanthus
 camphoratus L.

BRASSICACEAE
Capparis
 cf. sepiaria L.

CELASTRACEAE
Cassine
 peragua L.
Lauridia
 tetragona (L.f.) R.H.Archer
Maytenus
 procumbens (L.f.) Loes.
Mystroxyton
 aethiopicum (Thunb.) Loes.
Pterocelastrus
 tricuspidatus (Lam.) Sond. LC

CUCURBITACEAE
Zehneria
 scabra (L.f.) Sond. subsp. scabra

EBENACEAE
Diospyros
 simii (Kuntze) De Winter
Euclea
 racemosa Murray

EUPHORBIACEAE
Adenocline
 acuta (Thunb.) Baill.

FLACOURTIACEAE
Dovyalis
 cf. rhamnoides (Burch. ex DC.) Burch. & Harv.

MALVACEAE
Grewia
 occidentalis L.

MYRSINACEAE
Rapanea
 gilliana (Sond.) Mez EN

OLEACEAE
Chionanthus
 foveolatus (E.Mey.) Stearn subsp. foveolatus
Olea
 exasperata Jacq.

POLYGALACEAE
Polygala
 myrtifolia L.

RHAMNACEAE
Scutia
 myrtina (Burm.f.) Kurz

RUBIACEAE
Canthium
 spinosum (Klotzsch) Kuntze

RUTACEAE
Zanthoxylum
 capense (Thunb.) Harv. LC

SALVADORACEAE
Azima
 tetracantha Lam.

SANTALACEAE
Osyris
 compressa (P.J.Bergius) A.DC.

SAPOTACEAE
Sideroxylon
 inerme L. subsp. inerme

SOLANACEAE
Solanum
 cf. africanum Mill. LC
 cf. linnaeanum Hepper & E.Jaeger

URTICACEAE
Droguetia
 iners (Forssk.) Schweinf.

VITACEAE
Cyphostemma
 cirrhosum (Thunb.) Desc. ex Wild & R.B.Drumm.
Rhoicissus
 tridentata (L.f.) Wild & R.B.Drumm. LC

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE
Scadoxus
 cf. puniceus (L.) Friis & Nordal

ASPARAGACEAE
Asparagus
 cf. aethiopicus L.
 cf. asparagoides (L.) Druce

BEHNIACEAE
Behnia
 cf. reticulata (Thunb.) Didr.

IRIDACEAE
Melasphaerula
 cf. ramosa (L.) N.E.Br.

ORCHIDACEAE
Bonatea
 speciosa (L.f.) Willd. var. speciosa LC

POACEAE
Ehrharta
 erecta Lam.

Total named species:	44
Total genera:	40
Total families:	29
Total red data species:	1

COMMUNITY T6: FOREST

Division: Anthophyta

Class: Dicotyledones

ACHARIACEAE
 Ceratosicyos
 laevis (Thunb.) A.Meeuse
 AMARANTHACEAE
 Purpurea
 lappacea (L.) A.Juss.
 ANACARDIACEAE
 Rhus
 glauca Thunb.
 APOCYNACEAE
 Carissa
 bispinosa (L.) Desf. ex Brenan
 Cynanchum
 obtusifolium L.f.
 Secamone
 alpini Schult.
 ARALIACEAE
 Cussonia
 thyrsiflora Thunb.
 BRASSICACEAE
 Capparis
 sepiaria L.
 CELASTRACEAE
 Cassine
 peragua L.
 Gymnosporia
 buxifolia (L.) Szyszyl.
 Mystroxydon
 aethiopicum (Thunb.) Loes.
 Putterlickia
 pyracantha (L.) Szyszyl.
 CUCURBITACEAE
 Kedrostis
 nana (Lam.) Cogn.
 Zehneria
 scabra (L.f.) Sond. subsp. scabra
 EBENACEAE
 Diospyros
 simii (Kuntze) De Winter
 EUPHORBIACEAE
 Leidesia
 procumbens (L.) Prain
 FLACOURTIACEAE
 Dovyalis
 rhamnoides (Burch. ex DC.) Burch. & Harv.
 Scolopia
 zeyheri (Nees) Harv.
 Trimeria
 trinervis Harv.
 ICACINACEAE
 Apodytes
 dimidiata E.Mey. ex Arn. subsp. dimidiata
 MALVACEAE
 Grewia
 occidentalis L.
 OLEACEAE
 Chionanthus
 foveolatus (E.Mey.) Stearn subsp. foveolatus
 Olea
 capensis L. subsp. capensis
 OXALIDACEAE
 Oxalis
 incarnata L.

RANUNCULACEAE
 Clematis
 brachiata Thunb.
 RHAMNACEAE
 Scutia
 myrtina (Burm.f.) Kurz
 RUBIACEAE
 Canthium
 spinosum (Klotzsch) Kuntze
 RUTACEAE
 Clausea
 anisata (Willd.) Hook.f. ex Benth.
 Zanthoxylum
 capense (Thunb.) Harv. LC
 SALVADORACEAE
 Azima
 tetracantha Lam.
 SANTALACEAE
 Rhoiacarpus
 capensis (Harv.) A.DC.
 SAPINDACEAE
 Allophylus
 decipiens (Sond.) Radlk.
 SAPOTACEAE
 Sideroxylon
 inerme L. subsp. inerme
 VISCACEAE
 Viscum
 obscurum Thunb.
 VITACEAE
 Cyphostemma
 cirrhosum (Thunb.) Desc. ex Wild & R.B.Drumm.
 Rhoicissus
 digitata (L.f.) Gilg & M.Brandt

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE
 Scadoxus
 puniceus (L.) Friis & Nordal
 ASPARAGACEAE
 Asparagus
 africanus Lam.
 cf. virgatus Baker
 DIOSCOREACEAE
 Dioscorea
 sylvatica (Kunth) Eckl. VU
 POACEAE
 Ehrharta
 erecta Lam.
 Panicum
 cf. maximum Jacq.

Total named species:	42
Total genera:	41
Total families:	29
Total red data species:	1

COMMUNITY T7: DUNE FYNBOS

Division: Anthophyta

Class: Dicotyledones

- APIACEAE
Sonderina
 caruifolia (Sond.) H.Wolff DD
- ASPLENACEAE
Asplenium
 rutifolium (P. J. Bergius) Kunze
- GERANIACEAE
Pelargonium
 suburbanum Clifford ex C.Boucher subsp.
suburbanum VU
- AIZOACEAE
Aizoon
 rigidum L.f.
Tetragonia
 fruticosa L.
- ANACARDIACEAE
Rhus
 crenata Thunb.
 glauca Thunb.
 laevigata L.f.
 lucida L. forma *scoparia* (Eckl. & Zeyh.) Moffett
- APIACEAE
Dasispermum
 suffruticosum (P.J.Bergius) B.L.Burt
- APOCYNACEAE
Astephanus
 marginatus Decne.
Carissa
 bispinosa (L.) Desf. ex Brenan
Secamone
 alpini Schult.
- ARALIACEAE
Centella
 hermannifolia (Eckl. & Zeyh.) Domin
 tridentata (L.f.) Drude ex Domin subsp. *hermannifolia*
(Eckl. & Zeyh.) M.T.R.Schubert & B.-E. van Wyk
Cussonia
 thyrsiflora Thunb.
- ASTERACEAE
Arctotis
 elongata Thunb.
Cotula
 sericea DC.
Disparago
 cf. *ericoides* (P.J.Bergius) Gaertn.
Felicia
 cf. *amelloides* (L.) Voss
 amoena (Sch.Bip.) Levyns subsp. *latifolia* Grau
 echinata (Thunb.) Less.
Gazania
 cf. *krebsiana* Less.
 linearis (Thunb.) Druce var. *linearis*
Helichrysum
 cf. *crispum* (L.) D.Don.
 cf. *cymosum* (L.) D.Don.
 litorale Bolus
 petiolare Hilliard & B.L.Burt
 cf. *praecinctum* Klatt
 teretifolium (L.) D.Don.
Metalasia
 muricata (L.) D.Don.
Othonna
 cylindrica (Lam.) DC.
 rufibarbis Harv. Th
- Senecio
 elegans L.
 pellucidus DC.
Syncarpha
 argentea (Thunb.) B.Nord.
Ursinia
 anthemoides (L.) Poir.
- BRASSICACEAE
Heliophila
 subulata Burch. ex DC.
Lepidium
 africanum (Burm.f.) DC.
- CARYOPHYLLACEAE
Silene
 primuliflora Eckl. & Zeyh.
- CELASTRACEAE
Cassine
 peragua L.
Lauridia
 tetragona (L.f.) R.H.Archer
Maytenus
 procumbens (L.f.) Loes.
Mystroxylon
 aethiopicum (Thunb.) Loes.
Pterocelastrus
 tricuspidatus (Lam.) Sond. LC
Putterlickia
 pyracantha (L.) Szyszyl.
Robsonodendron
 maritimum (Bolus) R.H.Archer
- CRASSULACEAE
Cotyledon
 orbiculata L.
Crassula
 expansa Dryand. subsp. *expansa*
 nudicaulis L.
 pubescens Thunb. subsp. *pubescens*
- EBENACEAE
Euclea
 cf. *natalensis* A.DC.
 racemosa Murray
- ERICACEAE
Erica
 chloroloma Lindl.
 glumiflora Klotzsch ex Benth VU
- FABACEAE
Dipogon
 lignosus (L.) Verdc.
Indigofera
 heterophylla Thunb.
 stricta L.f.
 zeyheri Spreng. ex Eckl. & Zeyh.
Lessertia
 stenoloba E. Mey.
Otholobium
 cf. *virgatum* (Burm.f.) C.H.Stirt.
Rhynchosia
 caribaea (Jacq.) DC.
 ciliata (Thunb.) Schinz
Tephrosia
 capensis (Jacq.) Pers.
- GENTIANACEAE
Chironia
 baccifera L.
- GERANIACEAE
Pelargonium
 capitatum (L.) L'Hér.
 grossularioides (L.) L'Hér.

COMMUNITY T7: DUNE FYNBOS (contd.)

LAURACEAE

- Cassytha
ciliolata Nees

LINACEAE

- Linum
africanum L.

MESEMBRYANTHEMACEAE

- Carpobrotus
acinaciformis (L.) L.Bolus LC
deliciosus (L.Bolus) L.Bolus LC
- Delosperma
patersoniae (L.Bolus) L.Bolus
- Mesembryanthemum
canaliculatum Haw.

MOLLUGINACEAE

- Pharnaceum
dichotomum L.f.

MYRICACEAE

- Morella
cordifolia (L.) Killick
quercifolia (L.) Killick

MYRSINACEAE

- Rapanea
gilliana (Sond.) Mez EN

OLEACEAE

- Olea
capensis L. subsp. capensis
exasperata Jacq.

PLUMBAGINACEAE

- Limonium
scabrum (Thunb.) Kuntze
sp. nov. ABL 15508

POLYGALACEAE

- Muraltia
squarrosa (L.f.) DC.
- Polygala
ericaefolia DC.
cf. myrtifolia L.

RANUNCULACEAE

- Knowltonia
capensis (L.) Huth

RHAMNACEAE

- Phylca
litoralis (Eckl. & Zeyh.) D.Dietr.
- Scutia
myrtina (Burm.f.) Kurz

ROSACEAE

- Cliffortia
filifolia L.f.

RUBIACEAE

- Anthospermum
aethiopicum L.
prostratum Sond.
cf. spathulatum Spreng.
- Psydrax
obovata Eckl. & Zeyh. subsp. obovata

RUTACEAE

- Agathosma
apiculata G.Mey.
stenopetala (Steud.) Steud. VU

SANTALACEAE

- Osyris
compressa (P.J.Bergius) A.DC.
- Thesidium
fragile (Thunb.) Sond.
- Thesium
commutatum Sond.

SAPOTACEAE

- Sideroxylon
inerme L. subsp. inerme

SCROPHULARIACEAE

- Chaenostoma
campanulatum (Benth.) Kuntze LC
hispidum (Thunb.) Druce
- Dischisma
ciliatum (P.J.Bergius) Choisy
- Jamesbrittenia
microphylla (L.f.) Hilliard
- Zaluzianskya
maritima (L.f.) Walp.

SOLANACEAE

- Solanum
africanum Mill. LC

THYMELAEACEAE

- Passerina
rigida Wikstr.
- Struthiola
argentea Lehm.

VITACEAE

- Rhoicissus
digitata (L.f.) Gilg & M.Brandt

ZYGOPHYLLACEAE

- Roeperia
maritima Sond.

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

- Boophone
cf. disticha (L.f.) Herb. De
- Brunsvigia
gregaria R.A.Dyer

CYRTANTHACEAE

- Cyrtanthus
loddigesianus (Herb.) R.A.Dyer LC

ASPARAGACEAE

- Asparagus
aethiopicus L.
africanus Lam.
racemosus Willd.

ASPHODELACEAE

- Gasteria
cf. acinacifolia (Jacq.) Haw.

COLCHICACEAE

- Colchicum
cf. eucomoides (Jacq.) J.C.Manning & Vinnersten

CYPERACEAE

- Ficinia
bulbosa (L.) Nees
dunensis Levyns
indica (Lam.) Pfeiffer
ramosissima Kunth

ISOLEPIS

- marginata (Thunb.) A.Dietr.

TETRAPIA

- brachyphylla Levyns NT
cf. cuspidata (Rottb.) C.B.Clarke

HAEMODORACEAE

- Wachendorfia
paniculata Burm.

COMMUNITY T7: DUNE FYNBOS (contd.)

HYACINTHACEAE

Albuca
cf. cooperi Baker

IRIDACEAE

Chasmanthe
aethiopica (L.) N.E.Br.
Gladiolus
floribundus Jacq.

ORCHIDACEAE

Bonatea
cf. speciosa (L.f.) Willd. var. speciosa LC
Holothrix
villosa Lindl.

POACEAE

Ehrharta
calycina Sm.
Imperata
cylindrica (L.) Raeuschel
Pentaschistis
cf. pallida (Thunb.) H.P.Linder LC
Sporobolus
virginicus (L.) Kunth
Tribolium
hispidum (Thunb.) Desv.

RESTIONACEAE

Elegia
microcarpa (Kunth) Pillans
Ischyrolepis
eleocharis (Nees ex Mast.) H.P.Linder
leptoclados (Mast.) H.P.Linder

Total named species:	137
Total genera:	98
Total families:	48
Total red data species:	7

COMMUNITY T8: COASTAL LIMESTONE

Division: Anthophyta
Class: Dicotyledones

AIZOACEAE

Aizoon
 rigidum L.f.
 Tetragonia
 fruticosa L.

ANACARDIACEAE

Rhus
 crenata Thunb.
 glauca Thunb.
 lucida L. forma scoparia (Eckl. & Zeyh.) Moffett

APOCYNACEAE

Astephanus
 marginatus Decne.
 Carissa
 bispinosa (L.) Desf. ex Brenan
 Cynanchum
 obtusifolium L.f.

ARALIACEAE

Cussonia
 thyrsoflora Thunb.

ASTERACEAE

Cotula
 mariae Bremer & Humphries
 Felicia
 amoena (Sch.Bip.) Levyns subsp. latifolia Grau
 echinata (Thunb.) Less.
 Gazania
 linearis (Thunb.) Druce var. linearis
 Helichrysum
 teretifolium (L.) D.Don.
 Metalasia
 muricata (L.) D.Don.
 Othonna
 cylindrica (Lam.) DC.
 rufibarbis Harv. Th
 Senecio
 elegans L.
 pellucidus DC.

BRASSICACEAE

Heliophila
 cf. subulata Burch. ex DC.

CELASTRACEAE

Lauridia
 tetragona (L.f.) R.H.Archer
 Maytenus
 procumbens (L.f.) Loes.
 Pterocelastrus
 tricuspis (Lam.) Sond. LC
 Robsonodendron
 maritimum (Bolus) R.H.Archer

CONVOLVULACEAE

Falkia
 repens L.f.

CRASSULACEAE

Cotyledon
 orbiculata L.
 Crassula
 expansa Dryand. subsp. expansa
 nudicaulis L.

DIPSACACEAE

Scabiosa
 columbaria L. LC

ERICACEAE

Erica
 glumiflora Klotzsch ex Benth VU

FABACEAE

Indigofera
 stricta L.f.
 tomentosa Eckl. & Zeyh.
 Lessertia
 stenoloba E. Mey.
 Otholobium
 cf. virgatum (Burm.f.) C.H.Stirt.
 Psoralea
 repens L. NT

FLACOURTIACEAE

Dovyalis
 rotundifolia (Thunb.) Thunb. & Harv.

GENTIANACEAE

Chironia
 baccifera L.

GERANIACEAE

Pelargonium
 cf. suburbanum Clifford ex C.Boucher subsp.
 suburbanum VU

LINACEAE

Linum
 africanum L.

MESEMBRYANTHEMACEAE

Carpobrotus
 deliciosus (L.Bolus) L.Bolus LC
 Delosperma
 patersoniae (L.Bolus) L.Bolus

MYRICACEAE

Morella
 cordifolia (L.) Killick

OLEACEAE

Olea
 exasperata Jacq.

PLUMBAGINACEAE

Limonium
 scabrum (Thunb.) Kuntze
 sp. nov. ABL 15508

POLYGALACEAE

Polygala
 ericaefolia DC.

RHAMNACEAE

Phylla
 litoralis (Eckl. & Zeyh.) D.Dietr.
 Scutia
 myrtina (Burm.f.) Kurz

RUBIACEAE

Anthospermum
 prostratum Sond.
 Psydrax
 obovata Eckl. & Zeyh. subsp. obovata

RUTACEAE

Agathosma
 apiculata G.Mey.

SANTALACEAE

Osyris
 compressa (P.J.Bergius) A.DC.
 Thesidium
 fragile (Thunb.) Sond.

SAPOTACEAE

Sideroxylon
 inerme L. subsp. inerme

COMMUNITY T8: COASTAL LIMESTONE (contd.)

SCROPHULARIACEAE

- Chaenostoma
 campanulatum (Benth.) Kuntze LC
- Jamesbrittenia
 microphylla (L.f.) Hilliard
- Zaluzianskya
 maritima (L.f.) Walp.

THYMELAEACEAE

- Passerina
 corymbosa Eckl. ex C.H.Wright
- rigida Wikstr.

VITACEAE

- Rhoicissus
 tridentata (L.f.) Wild & R.B.Drumm. LC

ZYGOPHYLLACEAE

- Roepera
 maritima Sond.

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

- Brunsvigia
 gregaria R.A.Dyer

ASPARAGACEAE

- Asparagus
 cf. aethiopicus L.
- racemosus Willd.

ASPHODELACEAE

- Gasteria
 acinacifolia (Jacq.) Haw.

CYPERACEAE

- Ficinia
 lateralis (Vahl) Kunth
- ramosissima Kunth

HAEMODORACEAE

- Wachendorfia
 paniculata Burm.

HYACINTHACEAE

- Albuca
 cf. cooperi Baker

IRIDACEAE

- Gladiolus
 floribundus Jacq.

ORCHIDACEAE

- Satyrium
 princeps Bolus VU

POACEAE

- Ehrharta
 calycina Sm.

RESTIONACEAE

- Elegia
 microcarpa (Kunth) Pillans
- Ischyrolepis
 eleocharis (Nees ex Mast.) H.P.Linder

Total named species: 74
Total genera: 63
Total families: 40
Total red data species: 5

COMMUNITY T9: SANDSTONE

Division: Pteridophyta

SCHIZAEACEAE
Schizaea
cf. pectinata (L.) Sw.

Division: Anthophyta
Class: Dicotyledones

ANACARDIACEAE
Rhus
 lucida L.
APIACEAE
Alepidea
 cf. delicatula Weim. Ra
APOCYNACEAE
Microloma
 tenuifolium (L.) K.Schum.
ASTERACEAE
Aster
 cf. bakerianus Burtt Davy ex C.A.Sm.
Dicerothermus
 rhinocerotis (DC.) Koekemoer
Disparago
 ericoides (P.J.Bergius) Gaertn.
Euryops
 munitus (L.f.) B.Nord.
Helichrysum
 cf. anomalum Less.
 cymosum (L.) D.Don.
 felinum Less.
 teretifolium (L.) D.Don.
Pteronia
 teretifolia (Thunb.) Fourc.
Senecio
 oederiifolius DC.
Seriphium
 cinereum L.
 plumosum L.
BRASSICACEAE
Heliophila
 subulata Burch. ex DC.
CRASSULACEAE
Crassula
 subulata L. var. fastigiata
 tetragona L.
DIPSACACEAE
Scabiosa
 columbaria L. LC
ERICACEAE
Erica
 discolor Andrews
 cf. pectinifolia Salisb.
 sessiliflora L.f.
 sparmanniei L.f.
EUPHORBIACEAE
Clusia
 alaternoides L.
FABACEAE
Indigofera
 sulcata DC.
Rhynchosia
 capensis (Burm.f.) Schinz
MALVACEAE
Hermannia
 cf. saccifera (Turcz.) K.Schum.

Hibiscus
 cf. aethiopicus L.
OXALIDACEAE
Oxalis
 polyphylla Jacq.
 cf. purpurea L.
POLYGALACEAE
Polygala
 microlopha DC.
PROTEACEAE
Leucadendron
 salignum P.J.Bergius LC
Protea
 neriifolia R.Br. LC
RHAMNACEAE
Phylla
 gnidioides Eckl. & Zeyh.
ROSACEAE
Cliffortia
 paucistaminea Weim.
RUBIACEAE
Anthospermum
 prostratum Sond.
RUTACEAE
Agathosma
 sp. nov. ABL 15400
THYMELAEACEAE
Gnidia
 stypheleoides Meisn.

Division: Anthophyta
Class: Monocotyledones

CYPERACEAE
Tetaria
 cf. bromoides (Lam.) Pfeiffer
HEMEROCALLIDACEAE
Caesia
 contorta (L.f.) T.Durand & Schinz
HYACINTHACEAE
Drimys
 cf. hesperantha J.C.Manning & Goldblatt
Ornithogalum
 graminifolium Thunb.
IRIDACEAE
Tritoniopsis
 cf. caffra (Ker Gawl. ex Baker) Goldblatt
LANARIACEAE
Lanaria
 lanata (L.) T.Durand & Schinz
ORCHIDACEAE
Satyrium
 cf. membranaceum Sw.
 cf. parviflorum Sw.
POACEAE
Pentaschistis
 pallida (Thunb.) H.P.Linder LC
RESTIONACEAE
Hypodiscus
 striatus (Kunth) Mast.
Restio
 triticeus Rottb.
Thamnochortus
 cf. fruticosus P.J.Bergius

COMMUNITY T9: SANDSTONE (contd.)

Total named species:	51
Total genera:	41
Total families:	28
Total red data species:	1

COMMUNITY T10A: COASTAL WETLAND

Division: Anthophyta

Class: Dicotyledones

ACANTHACEAE

- Barleria
 - cf. obtusa Nees
- Hypoestes
 - aristata (Vahl.) Sol. ex Roem. & Schult.

ANACARDIACEAE

- Rhus
 - crenata Thunb.
 - glauca Thunb.
 - laevigata L.f.

APOCYNACEAE

- Cynanchum
 - natalitium Schltr.

ARALIACEAE

- Cussonia
 - thyrsiflora Thunb.

ASTERACEAE

- Cullumia
 - decurrens Less.
- Disparago
 - cf. ericoides (P.J.Bergius) Gaertn.
- Helichrysum
 - cymosum (L.) D.Don.
 - gymnocomum DC.
- Nidorella
 - auriculata DC.
- Senecio
 - halimifolius L.
 - lanceus Aiton
- Syncarpha
 - sordescens (DC.) B.Nord. VU

BRASSICACEAE

- Lepidium
 - cf. africanum (Burm.f.) DC.

CAMPANULACEAE

- Lobelia
 - anceps L.f.

CELASTRACEAE

- Lauridia
 - tetragona (L.f.) R.H.Archer

CUCURBITACEAE

- Zehneria
 - scabra (L.f.) Sond. subsp. scabra

EUPHORBIACEAE

- Clutia
 - affinis Sond.

FABACEAE

- Indigofera
 - mollis Eckl. & Zeyh.

GENTIANACEAE

- Chironia
 - peduncularis Lindl.
 - cf. serpyllifolia Lehm.

GERANIACEAE

- Geranium
 - ornithopodon Eckl. & Zeyh.
- Pelargonium
 - capitatum (L.) L'Hér.
 - grossularioides (L.) L'Hér.

LAMIACEAE

- Mentha
 - cf. aquatica L.

MESEMBRYANTHEMACEAE

- Carpobrotus
 - cf. deliciosus (L.Bolus) L.Bolus LC

OLEACEAE

- Olea
 - capensis L. subsp. capensis

POLYGONACEAE

- Persicaria
 - attenuata (R.Br.) Soják subsp. africana K.L.Wilson
- Rumex
 - lanceolatus Thunb.

RHAMNACEAE

- Scutia
 - myrtina (Burm.f.) Kurz

RUBIACEAE

- Anthospermum
 - herbaceum L.f.

SAPOTACEAE

- Sideroxylon
 - inerme L. subsp. inerme

SCROPHULARIACEAE

- Veronica
 - anagallis-aquatica L.

SOLANACEAE

- Solanum
 - africanum Mill. LC

THYMELAEACEAE

- Passerina
 - rigida Wikstr.

VITACEAE

- Rhoicissus
 - tridentata (L.f.) Wild & R.B.Drumm. LC

Division: Anthophyta

Class: Monocotyledones

ARACEAE

- Zantedeschia
 - aethiopica (L.) Spreng.

ASPARAGACEAE

- Asparagus
 - africanus Lam.

ASPHODELACEAE

- Kniphofia
 - cf. rooperi (T.Moore) Lem. LC

CYPERACEAE

- Carex
 - aethiopica Schkuhr
- Cyperus
 - cf. longus L.
 - thunbergii Vahl
- Ficinia
 - nodosa (Rottb.) Goetgh.
- Isolepis
 - prolifera R.Br.

JUNCACEAE

- Juncus
 - cf. kraussii Hochst. subsp. kraussii LC
 - lomatophyllus Spreng.

POACEAE

- Ehrharta
 - cf. erecta Lam.
- Imperata
 - cylindrica (L.) Rae uschel
- Phragmites
 - australis (Cav.) Trin. ex Steud.

T10A: COASTAL WETLAND (contd.)

TYPHACEAE

Typha

capensis (Rohrb.) N.E.Br.

Total named species:	52
Total genera:	44
Total families:	31
Total red data species:	1

T10B: LANGEFONTEIN WETLAND

Division: Pteridophyta

THELYPTERIDACEAE

- Thelypteris*
cf. confluens (Thunb.) C.V.Morton

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

- Rhus*
laevigata L.f.
lucida L. forma *lucida*
lucida L. forma *scoparia* (Eckl. & Zeyh.) Moffett
undulata Jacq.

APIACEAE

- Berula*
erecta (Huds.) Coville subsp. *thunbergii* (DC.) B.L.Burt
- Peucedanum*
capense (Thunb.) Sond.

APOCYNACEAE

- Gomphocarpus*
fruticosus (L.) Aiton

ARALIACEAE

- Cussonia*
thyrsiflora Thunb.

ASTERACEAE

- Felicia*
aethiopica (Burm.f.) Adamson & T.M.Salter
- Helichrysum*
cymosum (L.) D.Don.
gymnocomum DC.
- Nidorella*
auriculata DC.
- Senecio*
halimifolius L.
lanceus Aiton
purpureus L.

CAMPANULACEAE

- Lobelia*
anceps L.f.

CELASTRACEAE

- Pterocelastrus*
tricuspidatus (Lam.) Sond. LC

CUCURBITACEAE

- Zehneria*
scabra (L.f.) Sond. subsp. *scabra*

EUPHORBIACEAE

- Clusia*
cf. daphnoides Lam.
- Euphorbia*
epicyparissias E.Mey. ex Boiss.

FABACEAE

- Indigofera*
mollis Eckl. & Zeyh.
- Psoralea*
sp. nov. ABL 15269

GENTIANACEAE

- Chironia*
peduncularis Lindl.
tetragona L.f.

GERANIACEAE

- Geranium*
ornithopodon Eckl. & Zeyh.

LAMIACEAE

- Leonotis*
leonurus (L.) R.Br.
- Mentha*
aquatica L.

MENISPERMACEAE

- Cissampelos*
capensis L.f.

MYRICACEAE

- Morella*
quercifolia (L.) Killick
serrata (Lam.) Killick

ONAGRACEAE

- Epilobium*
capense Buchinger ex Hochst.

OROBANCHACEAE

- Harveya*
cf. purpurea (L.f.) Harv. ex Hook.
- Melasma*
scabrum P.J. Bergius

POLYGALACEAE

- Polygala*
virgata Thunb.

POLYGONACEAE

- Persicaria*
attenuata (R.Br.) Soják subsp. *africana* K.L.Wilson
- Rumex*
lanceolatus Thunb.

RHAMNACEAE

- Rhamnus*
prinoidea L'Her.

SCROPHULARIACEAE

- Selago*
canescens L.f.
- Veronica*
anagallis-aquatica L.

SOLANACEAE

- Solanum*
africanum Mill. LC

VITACEAE

- Cyphostemma*
cirrhosum (Thunb.) Desc. ex Wild & R.B.Drumm.

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

- Scadoxus*
cf. puniceus (L.) Friis & Nordal

ARACEAE

- Zantedeschia*
aethiopica (L.) Spreng.

ASPARAGACEAE

- Asparagus*
asparagoides (L.) Druce

ASPHODELACEAE

- Kniphofia*
cf. rooperi (T.Moore) Lem. LC

CYPERACEAE

- Carex*
aethiopica Schkuhr
- Cladium*
mariscus (L.) Pohl subsp. *jamaicense* (Crantz) Kuekenh.
- Cyperus*
thunbergii Vahl

COMMUNITY T10B LANGEFONTEIN WETLAND (contd.)

Fuirena
 cf. *coerulescens* Steud.
Isolepis
 prolifera R.Br.
Neesenbeckia
 punctoria (Vahl) Levyns
Tetaria
 cf. *cuspidata* (Rottb.) C.B.Clarke
JUNCACEAE
 Juncus
 lomatophyllus Spreng.
POACEAE
 Phragmites
 australis (Cav.) Trin. ex Steud.
TYPHACEAE
 Typha
 capensis (Rohrb.) N.E.Br.

Total named species:	56
Total genera:	48
Total families:	32
Total red data species:	0

COMMUNITY T10C: TRANSVERSE DUNE WETLANDS

Division: Anthophyta

Class: Dicotyledones

APIACEAE

- Berula
 - erecta (Huds.) Coville subsp. thunbergii (DC.) B.L.Burtt

ARALIACEAE

- Centella
 - asiatica (L.) Urban

ASTERACEAE

- Helichrysum
 - cf. cymosum (L.) D.Don.
 - litorale Bolus
- Plecostachys
 - serpyllifolia (P.J.Bergius) Hilliard & B.L.Burtt
- Senecio
 - lanceus Aiton
 - leptophyllus DC.
 - cf. rosmarinifolius L.f.
- Seriphium
 - plumosum L.
- Vellereophyton
 - vellereum (R.A.Dyer) Hilliard

BRASSICACEAE

- Heliophila
 - linearis (Thunb.) DC.

CAMPANULACEAE

- Lobelia
 - anceps L.f.
- Monopsis
 - unidentata (Dryand. ex Aiton) E.Wimm.

FABACEAE

- Psoralea
 - repens L. NT

GENTIANACEAE

- Chironia
 - decumbens Levyns
 - tetragona L.f.

- Sebaea
 - minutiflora Schinz

GERANIACEAE

- Pelargonium
 - grossularioides (L.) L'Hér.

LENTIBULARIACEAE

- Utricularia
 - cf. bisquamata Schrank

MYRICACEAE

- Morella
 - cordifolia (L.) Killick

OROBANCHACEAE

- Alectra
 - sessiliflora (Vahl) Kuntze

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE

- Bolboschoenus
 - cf. maritimus (L.) Palla
- Ficinia
 - lateralis (Vahl) Kunth
 - nodosa (Rottb.) Goetgh.

- Fuirena
 - coerulescens Steud.
 - hirsuta (P.J.Bergius) P.L.Forbes

- Isolepis
 - cernua (Vahl) Roem. & Schult.
 - rubicunda Kunth

- Scirpoides
 - thunbergii (Schrad.) Soják

IRIDACEAE

- Aristea
 - ecklonii Baker

JUNCACEAE

- Juncus
 - capensis Thunb.
 - kraussii Hochst. subsp. kraussii LC

JUNCAGINACEAE

- Triglochin
 - striata Ruiz & Pav.

ORCHIDACEAE

- Acrolophia
 - cochlearis (Lindl.) Schltr. & Bolus

- Disa
 - chrysostachya Sw.

- Eulophia
 - speciosa (R.Br. ex Lindl.) Bolus De

- Satyrium
 - hallackii Bolus subsp. hallackii EN

POACEAE

- Imperata
 - cylindrica (L.) Raeuschel
- Merxmullera
 - cincta (Nees) Conert subsp. sericea N.P.Barker VU
- Polypogon
 - strictus Nees
- Sporobolus
 - virginicus (L.) Kunth

RESTIONACEAE

- Elegia
 - microcarpa (Kunth) Pillans

TYPHACEAE

- Typha
 - capensis (Rohrb.) N.E.Br.

Total named species:	43
Total genera:	35
Total families:	19
Total red data species:	4

COMMUNITY T10D: SANDSTONE WETLAND

Division: Pteridophyta

DENNSTAEDTIACEAE

- Pteridium
aquilinum (L.) Kuhn subsp. aquilinum

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

- Rhus
crenata Thunb.

APIACEAE

- Berula
erecta (Huds.) Coville subsp. thunbergii (DC.)
B.L.Burt

ARALIACEAE

- Centella
hermannifolia (Eckl. & Zeyh.) Domin
- Hydrocotyle
verticillata Thunb.

ASTERACEAE

- Arctotheca
calendula (L.) Levyns
- Cineraria
cf. erodioides DC.
- Helichrysum
gymnocomum DC.
- Senecio
cf. inaequidens DC.
oederifolius DC.
purpureus L.
rigidus L.

CELASTRACEAE

- Lauridia
tetragona (L.f.) R.H.Archer

ERICACEAE

- Erica
gracilis J.C.Wendl.

FABACEAE

- Psoralea
cf. affinis Eckl. & Zeyh.

GERANIACEAE

- Pelargonium
grossularioides (L.) L'Hér.

LAMIACEAE

- Mentha
aquatica L.

POLYGALACEAE

- Polygala
virgata Thunb.

POLYGONACEAE

- Rumex
lanceolatus Thunb.

RANUNCULACEAE

- Ranunculus
multifidus Forssk.

SCROPHULARIACEAE

- Selago
rotundifolia L.f. VU

THYMELAEACEAE

- Passerina
corymbosa Eckl. ex C.H.Wright

Division: Anthophyta

Class: Monocotyledones

ARACEAE

- Zantedeschia
aethiopica (L.) Spreng.

ASPHODELACEAE

- Kniphofia
cf. rooperi (T.Moore) Lem. LC

CYPERACEAE

- Carex
cf. aethiopica Schkuhr
- Cyperus
sphaerospermus Schrad.
thunbergii Vahl
- Eleocharis
limosa (Schrad.) Schult.
- Ficinia
capitella (Thunb.) Nees
dunensis Levyns
- Isolepis
cernua (Vahl) Roem. & Schult.

IRIDACEAE

- Aristea
ecklonii Baker

JUNCACEAE

- Juncus
cf. lomatophyllus Spreng.

POACEAE

- Cynodon
dactylon (L.) Pers.
- Stenotaphrum
secundatum (Walter) Kuntze

Total named species:	35
Total genera:	30
Total families:	21
Total red data species:	1

COMMUNITY T10E: DUNE WETLAND

Division: Anthophyta

Class: Dicotyledones

APIACEAE
Berula
erecta (Huds.) Coville subsp. thunbergii (DC.)
B.L.Burtt
ARALIACEAE
Centella
asiatica (L.) Urban
ASTERACEAE
Felicia
amoena (Sch.Bip.) Levyns subsp. latifolia Grau
Helichrysum
asperum (Thunb.) Hilliard & B.L.Burtt
cymosum (L.) D.Don.
litorale Bolus
Metalasia
muricata (L.) D.Don.
Senecio
elegans L.
leptophyllus DC.
oederiifolius DC.
Seriphium
plumosum L.
Vellereophyton
vellereum (R.A.Dyer) Hilliard
BRASSICACEAE
Heliophila
subulata Burch. ex DC.
CAMPANULACEAE
Lobelia
cf. anceps L.f.
CARYOPHYLLACEAE
Silene
primuliflora Eckl. & Zeyh.
FABACEAE
Lotononis
laxa Eckl. & Zeyh.
Psoralea
repens L. NT
GENTIANACEAE
Chironia
baccifera L.
decumbens Levyns
tetragona L.f.
GERANIACEAE
Pelargonium
grossularioides (L.) L'Hér.
MYRICACEAE
Morella
cordifolia (L.) Killick
SCROPHULARIACEAE
Veronica
anagallis-aquatica L.
Zaluzianskya
maritima (L.f.) Walp.
THYMELAEACEAE
Passerina
rigida Wikstr.

Division: Anthophyta

Class: Monocotyledones

CYPERACEAE
Cyperus
natalensis Hochst.
Ficinia
nodosa (Rottb.) Goetgh.
Fuirena
hirsuta (P.J.Bergius) P.L.Forbes
Isoplepis
cf. rubicunda Kunth
Scirpoides
thunbergii (Schrad.) Soják
JUNCACEAE
Juncus
capensis Thunb.
kraussii Hochst. subsp. kraussii LC
ORCHIDACEAE
Acrolophia
cochlearis (Lindl.) Schltr. & Bolus
Eulophia
speciosa (R.Br. ex Lindl.) Bolus De
Satyrium
hallackii Bolus subsp. hallackii EN
POACEAE
Ehrharta
villosa Schult.f.
Merxmüllera
cincta (Nees) Conert subsp. sericea N.P.Barker VU
Phragmites
australis (Cav.) Trin. ex Steud.
Polypogon
strictus Nees
Sporobolus
virginicus (L.) Kunth
RESTIACEAE
Elegia
microcarpa (Kunth) Pillans
TYPHACEAE
Typha
capensis (Rohrb.) N.E.Br.

Total named species: 42
Total genera: 35
Total families: 18
Total red data species: 4

COMMUNITY T10F: SLANGRIVIER (RIVER)

Division: Pteridophyta

ASPENIACEAE

Asplenium
cordatum (Thunb.) Sw.

DRYOPTERIDACEAE

Cyrtomium
cf. micropterum (Kunze) Ching

PTERIDACEAE

Cheilanthes
viridis (Forssk.) Sw.

RUBIACEAE

Galopina
cf. circaeoides Thunb.

Division: Anthophyta

Class: Dicotyledones

AMARANTHACEAE

Pupalia
lappacea (L.) A.Juss.

ANACARDIACEAE

Rhus
lucida L. forma lucida

APOCYNACEAE

Carissa
bispinosa (L.) Desf. ex Brenan
Cynanchum
natalitium Schltr.

ARALIACEAE

Hydrocotyle
verticillata Thunb.

ASTERACEAE

Chrysanthemoides
monilifera (L.) Norl.
Cineraria
erodioides DC.
Conyza
scabrida DC.
Helichrysum
cymosum (L.) D.Don.
cf. foetidum (L.) Moench var. foetidum
gymnocomum DC.
Senecio
cf. deltoideus Less.
lanceus Aiton
oederiifolius DC.
rigidus L.

CAMPANULACEAE

Grammatotheca
bergiana (Cham.) C.Presl
Lobelia
erinus L. LC

CELASTRACEAE

Gymnosporia
buxifolia (L.) Szyszyl.
Pterocelastrus
tricuspidatus (Lam.) Sond. LC

CUCURBITACEAE

Kedrostis
nana (Lam.) Cogn.

EBENACEAE

Diospyros
dichrophylla (Gand.) De Winter

EUPHORBIACEAE

Adenocline
acuta (Thunb.) Baill.
Clusia
cf. daphnoides Lam.

FABACEAE

Psoralea
affinis Eckl. & Zeyh.
Virgilia
cf. oroboides (P.J.Bergius) T.M.Salter

GERANIACEAE

Geranium
ornithopodon Eckl. & Zeyh.

LAMIACEAE

Leonotis
leonurus (L.) R.Br.

MALVACEAE

Grewia
occidentalis L.
Hermannia
velutina DC.
Hibiscus
diversifolius Jacq.

MYRSINACEAE

Rapanea
melanophloeos (L.) Mez De

OLEACEAE

Olea
capensis L. subsp. capensis

POLYGONACEAE

Persicaria
attenuata (R.Br.) Soják subsp. africana K.L.Wilson
Rumex
acetosella L. subsp. angiocarpus (Murb.) Murb.
pulcher L. subsp. divaricatus (L.) Murb.

RANUNCULACEAE

Clematis
brachiata Thunb.

RHAMNACEAE

Rhamnus
prinoides L'Her.
Scutia
myrtina (Burm.f.) Kurz

ROSACEAE

Cliffortia
odorata L.f.
Rubus
cf. rigidus Sm.

RUBIACEAE

Anthospermum
aethiopicum L.

SOLANACEAE

Solanum
africanum Mill. LC

STILBACEAE

Halleria
lucida L.

VITACEAE

Rhoicissus
tomentosa (Lam.) Wild & R.B.Drumm.

COMMUNITY T10F: SLANGRIVIER (RIVER) (contd.)

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE

Scadoxus

puniceus (L.) Friis & Nordal

ASPARAGACEAE

Asparagus

asparagoides (L.) Druce

CYPERACEAE

Carex

 cf. *aethiopica* Schkuhr

Cyperus

thunbergii Vahl

Ficinia

lateralis (Vahl) Kunth

Fuirena

coerulescens Steud.

Isolepis

prolifera R.Br.

IRIDACEAE

Aristea

ecklonii Baker

Chasmanthe

aethiopica (L.) N.E.Br.

JUNCACEAE

Juncus

 cf. *capensis* Thunb.

kraussii Hochst. subsp. *kraussii* LC

lomatophyllus Spreng.

POACEAE

Phragmites

australis (Cav.) Trin. ex Steud.

Stenotaphrum

secundatum (Walter) Kuntze

POTAMOGETONACEAE

Potamogeton

pusillus L.

TYPHACEAE

Typha

capensis (Rohrb.) N.E.Br.

Total named species: 64

Total genera: 56

Total families: 35

Total red data species: 1

T10G: SLANGRIVIER (WETLAND)

Division: Anthophyta

Class: Dicotyledones

ANACARDIACEAE

Rhus
laevigata L.f.

ARALIACEAE

Hydrocotyle
verticillata Thunb.

ASTERACEAE

Conyza
scabrida DC.
Felicia
echinata (Thunb.) Less.
Helichrysum
cymosum (L.) D.Don.
gymnocomum DC.
helianthemifolium (L.) D.Don.

Hippia
frutescens (L.) L.

Nidorella
auriculata DC.

Senecio
lanceus Aiton
cf. rigidus L.

EUPHORBIACEAE

Clutia
alaternoides L.

FABACEAE

Otholobium
stachyerum (Eckl. & Zeyh.) C.H.Stirt.
Psoralea
pinnata L.

GUNNERACEAE

Gunnera
perpensa L. De

LAMIACEAE

Leonotis
leonurus (L.) R.Br.
Mentha
cf. aquatica L.

MYRICACEAE

Morella
quercifolia (L.) Killick
serrata (Lam.) Killick

POLYGONACEAE

Persicaria
attenuata (R.Br.) Soják subsp. africana K.L.Wilson
Rumex
lanceolatus Thunb.

ROSACEAE

Cliffortia
odorata L.f.

RUBIACEAE

Anthospermum
herbaceum L.f.

SCROPHULARIACEAE

Veronica
anagallis-aquatica L.

Division: Anthophyta

Class: Monocotyledones

ARACEAE

Zantedeschia
aethiopica (L.) Spreng.

CYPERACEAE

Carex
aethiopica Schkuhr
Cyperus
thunbergii Vahl
Eleocharis
limosa (Schrad.) Schult.

IRIDACEAE

Aristea
ecklonii Baker
Watsonia
angusta Ker Gawl.

POACEAE

Phragmites
australis (Cav.) Trin. ex Steud.
Stenotaphrum
secundatum (Walter) Kuntze

TYPHACEAE

Typha
capensis (Rohrb.) N.E.Br.

Total named species: 33

Total genera: 29

Total families: 17

Total red data species: 1

APPENDIX 4.3.2. PLANT SPECIES RECORDED FROM THYSPUNT – COMPOSITE LIST

NT: Near Threatened; R: Rare, VU: vulnerable EN: Endangered, CR: Critically Endangered

LC: Least Concern; DD: Data Deficient; De: Declining

Report produced by the SaSFLORA database: data (C) Coastec; database design and structures (C) Reuben Roberts 1998-2008

Division: Pteridophyta

ASPLENIACEAE

- Asplenium
cordatum (Thunb.) Sw.
rutifolium (P. J. Bergius) Kunze

DENNSTAEDTIACEAE

- Pteridium
aquilinum (L.) Kuhn subsp. aquilinum

PTERIDACEAE

- Cheilanthes
viridis (Forssk.) Sw.

SCHIZAEACEAE

- Schizaea
pectinata (L.) Sw.

THELYPTERIDACEAE

- Thelypteris
confluens (Thunb.) C.V.Morton

Division: Anthophyta

Class: Dicotyledones

ACANTHACEAE

- Barleria
obtusa Nees
- Hypoestes
aristata (Vahl.) Sol. ex Roem. & Schult.

ACHARIACEAE

- Ceratosicyos
laevis (Thunb.) A.Meeuse

AIZOACEAE

- Aizoon
rigidum L.f.
- Tetragonia
decumbens Mill.
fruticosa L.

AMARANTHACEAE

- Pupalia
lappacea (L.) A.Juss.

ANACARDIACEAE

- Rhus
crenata Thunb.
glauca Thunb.
laevigata L.f.
lucida L. forma lucida
lucida L. forma scoparia (Eckl. & Zeyh.) Moffett
undulata Jacq.

APIACEAE

- Alepidea
delicatula Weim. Ra
- Berula
erecta (Huds.) Coville subsp. thunbergii (DC.)

B.L.Burtt

- Dasispermum
suffruticosum (P.J.Bergius) B.L.Burtt
- Peucedanum
capense (Thunb.) Sond.
- Sonderina
caruifolia (Sond.) H.Wolff DD

APOCYNACEAE

- Astephanus
marginatus Decne.
- Carissa
bispinosa (L.) Desf. ex Brenan
- Cynanchum
natalitium Schltr.
obtusifolium L.f.

- Gomphocarpus
fruticosus (L.) Aiton

- Microlooma
tenuifolium (L.) K.Schum.

- Secamone
alpini Schult.

ARALIACEAE

- Centella
asiatica (L.) Urban
hermannifolia (Eckl. & Zeyh.) Domin
tridentata (L.f.) Drude ex Domin subsp. hermannifolia
(Eckl. & Zeyh.) M.T.R.Schubert & B.-E.van Wyk

- Cussonia
thyrsiflora Thunb.

- Hydrocotyle
verticillata Thunb.

ASTERACEAE

- Arctotheca
calendula (L.) Levyns
populifolia (P.J.Bergius) Norl.

- Arctotis
elongata Thunb.

- Aster
bakerianus Burtt Davy ex C.A.Sm.

- Chrysanthemoides
monilifera (L.) Norl.

- Cineraria
erodioides DC.

- Conyza
scabrida DC.

- Cotula
mariae Bremer & Humphries
sericea DC.

- Cullumia
decurrens Less.

- Dicrothamnus
rhinocerotis (DC.) Koekemoer

- Disparago
ericoides (P.J.Bergius) Gaertn.

- Euryops
munitus (L.f.) B.Nord.

- Felicia
aethiopica (Burm.f.) Adamson & T.M.Salter
amelloides (L.) Voss
amoena (Sch.Bip.) Levyns subsp. latifolia Grau
echinata (Thunb.) Less.

- Gazania
krebiana Less.
linearis (Thunb.) Druce var. linearis
rigens (L.) Gaertn.

- Helichrysum
anomalum Less.
asperum (Thunb.) Hilliard & B.L.Burtt
crispum (L.) D.Don.
cymosum (L.) D.Don.
felinum Less.

- foetidum (L.) Moench var. foetidum
gymnocomum DC.

- helianthemifolium (L.) D.Don.
litorale Bolus
patulum (L.) D.Don.
petiolare Hilliard & B.L.Burtt
praecinctum Klatt
rutilans (L.) D.Don LC
teretifolium (L.) D.Don.

- Hippia
frutescens (L.) L.

- Metalasia
densa (Lam.) Karis
muricata (L.) D.Don.

Nidorella
 auriculata DC.
 Othonna
 cylindrica (Lam.) DC.
 rufibarbis Harv. Th
 Plecostachys
 serpyllifolia (P.J.Bergius) Hilliard & B.L.Burt
 Pteronia
 teretifolia (Thunb.) Fourc.
 Senecio
 deltoideus Less.
 elegans L.
 halimifolius L.
 inaequidens DC.
 lanceus Aiton
 leptophyllus DC.
 litorosus Fourc.
 oederifolius DC.
 pellucidus DC.
 purpureus L.
 rigidus L.
 rosmarinifolius L.f.
 Seriphium
 cinereum L.
 plumosum L.
 Syncarpha
 argentea (Thunb.) B.Nord.
 sordescens (DC.) B.Nord. VU
 Tarchonanthus
 camphoratus L.
 Ursinia
 anthemoides (L.) Poir.
 Vellereophyton
 vellereum (R.A.Dyer) Hilliard
BORAGINACEAE
 Anchusa
 capensis Thunb.
 Myosotis
 graminifolia DC.
BRASSICACEAE
 Capparis
 sepiaria L.
 Heliophila
 linearis (Thunb.) DC.
 subulata Burch. ex DC.
 Lepidium
 africanum (Burm.f.) DC.
CAMPANULACEAE
 Grammatotheca
 bergiana (Cham.) C.Presl
 Lobelia
 anceps L.f.
 erinus L. LC
 Monopsis
 unidentata (Dryand. ex Aiton) E.Wimm.
CARYOPHYLLACEAE
 Cerastium
 capense Sond.
 Silene
 bellidioides Sond.
 primuliflora Eckl. & Zeyh.
CELASTRACEAE
 Cassine
 peragua L.
 Gymnosporia
 buxifolia (L.) Szyszyl.
 Lauridia
 tetragona (L.f.) R.H.Archer
 Maytenus
 procumbens (L.f.) Loes.
 Mistroxylon
 aethiopicum (Thunb.) Loes.
 Pterocelastrus
 tricuspidatus (Lam.) Sond. LC
 Putterlickia
 pyracantha (L.) Szyszyl.
 Robsonodendron
 maritimum (Bolus) R.H.Archer
CONVOLVULACEAE
 Dichondra
 micrantha Urban
 Falkia
 repens L.f.
CRASSULACEAE
 Cotyledon
 orbiculata L.
 Crassula
 expansa Dryand. subsp. expansa
 nudicaulis L.
 pubescens Thunb. subsp. pubescens
 subulata L. var. fastigiata
 tetragona L.
CUCURBITACEAE
 Kedrostis
 nana (Lam.) Cogn.
 Zehneria
 scabra (L.f.) Sond. subsp. scabra
DIPSACACEAE
 Scabiosa
 columbaria L. LC
DRYOPTERIDACEAE
 Cyrtomium
 micropterum (Kunze) Ching
EBENACEAE
 Diospyros
 dichrophylla (Gand.) De Winter
 simii (Kuntze) De Winter
 Euclea
 natalensis A.DC.
 racemosa Murray
ERICACEAE
 Erica
 chloroloma Lindl.
 discolor Andrews
 glumiflora Klotzsch ex Benth VU
 gracilis J.C.Wendl.
 pectinifolia Salisb.
 sessiliflora L.f.
 sparmannii L.f.
EUPHORBIACEAE
 Adenocline
 acuta (Thunb.) Baill.
 Clutia
 affinis Sond.
 alaternoides L.
 daphnoides Lam.
 Euphorbia
 epicyparissias E.Mey. ex Boiss.
 Leidesia
 procumbens (L.) Prain
FABACEAE
 Dipogon
 lignosus (L.) Verdc.
 Indigofera
 heterophylla Thunb.
 mollis Eckl. & Zeyh.
 stricta L.f.
 sulcata DC.
 tomentosa Eckl. & Zeyh.
 zeyheri Spreng. ex Eckl. & Zeyh.
 Lessertia
 stenoloba E. Mey.
 Lotononis
 laxa Eckl. & Zeyh.

Otholobium
 stachyerum (Eckl. & Zeyh.) C.H.Stirt.
 virgatum (Burm.f.) C.H.Stirt.

Psoralea
 affinis Eckl. & Zeyh.
 pinnata L.
 repens L. NT
 sp. nov. ABL 15269

Rhynchosia
 capensis (Burm.f.) Schinz
 caribaea (Jacq.) DC.
 chrysochias Benth. ex Harv.
 ciliata (Thunb.) Schinz

Tephrosia
 capensis (Jacq.) Pers.

Virgilia
 oroboides (P.J.Bergius) T.M.Salter

FLACOURTIACEAE
 Dovyalis
 rhamnoides (Burch. ex DC.) Burch. & Harv.
 rotundifolia (Thunb.) Thunb. & Harv.

 Scolopia
 zeyheri (Nees) Harv.

 Trimeria
 trinervis Harv.

GENTIANACEAE
 Chironia
 baccifera L.
 decumbens Levyns
 peduncularis Lindl.
 serpyllifolia Lehm.
 tetragona L.f.

 Sebaea
 minutiflora Schinz

GERANIACEAE
 Geranium
 ornithopodon Eckl. & Zeyh.

 Pelargonium
 capitatum (L.) L'Hér.
 grossularioides (L.) L'Hér.
 suburbanum Clifford ex C.Boucher subsp.

suburbanum VU

GOODENIACEAE
 Scaevola
 plumieri (L.) Vahl

GUNNERACEAE
 Gunnera
 perpensa L. De

ICACINACEAE
 Apodytes
 dimidiata E.Mey. ex Arn. subsp. dimidiata

LAMIACEAE
 Leonotis
 leonurus (L.) R.Br.

 Mentha
 aquatica L.

 Salvia
 africana-lutea L.

LAURACEAE
 Cassytha
 ciliolata Nees

LENTIBULARIACEAE
 Utricularia
 bisquamata Schrank

LINACEAE
 Linum
 africanum L.

MALVACEAE
 Grewia
 occidentalis L.

Hermannia
 saccifera (Turcz.) K.Schum.
 velutina DC.

Hibiscus
 aethiopicus L.
 diversifolius Jacq.

MENISPERMACEAE
 Cissampelos
 capensis L.f.

MESEMBRYANTHEMACEAE
 Carpobrotus
 acinaciformis (L.) L.Bolus LC
 deliciosus (L.Bolus) L.Bolus LC

 Delosperma
 patersoniae (L.Bolus) L.Bolus

 Drosanthemum
 hispidum (L.) Schwantes

 Mesembryanthemum
 canaliculatum Haw.
 splendens L. subsp. splendens

MOLLUGINACEAE
 Pharnaceum
 dichotomum L.f.

MYRICACEAE
 Morella
 cordifolia (L.) Killick
 quercifolia (L.) Killick
 serrata (Lam.) Killick

MYRSINACEAE
 Rapanea
 gilliana (Sond.) Mez EN
 melanophloeos (L.) Mez De

OLEACEAE
 Chionanthus
 foveolatus (E.Mey.) Stearn subsp. foveolatus

 Olea
 capensis L. subsp. capensis
 exasperata Jacq.

ONAGRACEAE
 Epilobium
 capense Buchinger ex Hochst.

OROBANCHACEAE
 Alectra
 sessiliflora (Vahl) Kuntze

 Harveya
 purpurea (L.f.) Harv. ex Hook.

 Melasma
 scabrum P.J. Bergius

OXALIDACEAE
 Oxalis
 incarnata L.
 polyphylla Jacq.
 purpurea L.

PLANTAGINACEAE
 Plantago
 crassifolia Forssk.

PLUMBAGINACEAE
 Limonium
 scabrum (Thunb.) Kuntze
 sp. nov. ABL 15508

POLYGALACEAE
 Muraltia
 squarrosa (L.f.) DC.

 Polygala
 ericaefolia DC.
 microlopha DC.
 myrtifolia L.
 virgata Thunb.

POLYGONACEAE
 Persicaria
 attenuata (R.Br.) Soják subsp. africana K.L.Wilson

Rumex
acetosella L. subsp. angiocarpus (Murb.) Murb.
lanceolatus Thunb.
pulcher L. subsp. divaricatus (L.) Murb.

PROTEACEAE
Leucadendron
salignum P.J.Bergius LC
Protea
neriifolia R.Br. LC

RANUNCULACEAE
Clematis
brachiata Thunb.
Knowltonia
capensis (L.) Huth
Ranunculus
multifidus Forssk.

RHAMNACEAE
Phylla
gnidioides Eckl. & Zeyh.
litoralis (Eckl. & Zeyh.) D.Dietr.
Rhamnus
prinooides L'Her.
Scutia
myrtina (Burm.f.) Kurz

ROSACEAE
Cliffortia
filifolia L.f.
odorata L.f.
paucistaminea Weim.
Rubus
rigidus Sm.

RUBIACEAE
Anthospermum
aethiopicum L.
herbaceum L.f.
prostratum Sond.
spathulatum Spreng.
Canthium
spinosum (Klotzsch) Kuntze
Galopina
circaeoides Thunb.
Psydrax
obovata Eckl. & Zeyh. subsp. obovata

RUTACEAE
Agathosma
apiculata G.Mey.
sp. nov. ABL 15400
stenopetala (Steud.) Steud. VU
Clausena
anisata (Willd.) Hook.f. ex Benth.
Zanthoxylum
capense (Thunb.) Harv. LC

SALVADORACEAE
Azima
tetracantha Lam.

SANTALACEAE
Osiris
compressa (P.J.Bergius) A.DC.
Rhoiacarpos
capensis (Harv.) A.DC.
Thesidium
fragile (Thunb.) Sond.
Thesium
commutatum Sond.

SAPINDACEAE
Allophylus
decipiens (Sond.) Radlk.

SAPOTACEAE
Sideroxylon
inerme L. subsp. inerme

SCROPHULARIACEAE
Chaenostoma
campanulatum (Benth.) Kuntze LC
hispidum (Thunb.) Druce
Dischisma
ciliatum (P.J.Bergius) Choisy
Hebenstretia
cordata L.
integrifolia L.
Jamesbrittenia
microphylla (L.f.) Hilliard
Manulea
obovata Benth.
Selago
canescens L.f.
rotundifolia L.f. VU
Veronica
anagallis-aquatica L.
Zaluzianskya
maritima (L.f.) Walp.

SOLANACEAE
Solanum
africanum Mill. LC
linnaeanum Hepper & E.Jaeger

STILBACEAE
Halleria
lucida L.

THYMELAEACEAE
Gnidia
stypeloides Meisn.
Passerina
corymbosa Eckl. ex C.H.Wright
rigida Wikstr.
Struthiola
argentea Lehm.

URTICACEAE
Droguetia
iners (Forssk.) Schweinf.

VISCACEAE
Viscum
obscurum Thunb.

VITACEAE
Cyphostemma
cirrhosum (Thunb.) Desc. ex Wild & R.B.Drumm.
Rhoicissus
digitata (L.f.) Gilg & M.Brandt
tomentosa (Lam.) Wild & R.B.Drumm.
tridentata (L.f.) Wild & R.B.Drumm. LC

ZYGOPHYLLACEAE
Roepera
maritima Sond.

Division: Anthophyta

Class: Monocotyledones

AMARYLLIDACEAE
Boophone
disticha (L.f.) Herb. De
Brunsvigia
gregaria R.A.Dyer
Cyrtanthus
loddigesianus (Herb.) R.A.Dyer LC
Scadoxus
puniceus (L.) Friis & Nordal

ARACEAE
Zantedeschia
aethiopica (L.) Spreng.

ASPARAGACEAE
 Asparagus
 aethiopicus L.
 africanus Lam.
 asparagoides (L.) Druce
 racemosus Willd.
 virgatus Baker
 ASPHODELACEAE
 Gasteria
 acinacifolia (Jacq.) Haw.
 Kniphofia
 rooperi (T.Moore) Lem. LC
 Trachyandra
 ciliata (L.f.) Kunth LC
 BEHNIACEAE
 Behnia
 reticulata (Thunb.) Didr.
 COLCHICACEAE
 Colchicum
 eucomoides (Jacq.) J.C.Manning & Vinnersten
 CYPERACEAE
 Bolboschoenus
 maritimus (L.) Palla
 Carex
 aethiopica Schkuhr
 Cladium
 mariscus (L.) Pohl subsp. jamaicense (Crantz)
 Kuekenh.
 Cyperus
 longus L.
 natalensis Hochst.
 sphaerospermus Schrad.
 thunbergii Vahl
 Eleocharis
 limosa (Schrad.) Schult.
 Ficinia
 bulbosa (L.) Nees
 capitella (Thunb.) Nees
 dunensis Levyns
 indica (Lam.) Pfeiffer
 lateralis (Vahl) Kunth
 nodosa (Rottb.) Goetgh.
 ramosissima Kunth
 Fuirena
 coerulescens Steud.
 hirsuta (P.J.Bergius) P.L.Forbes
 Isolepis
 cernua (Vahl) Roem. & Schult.
 marginata (Thunb.) A.Dietr.
 prolifera R.Br.
 rubicunda Kunth
 Neesenbeckia
 punctoria (Vahl) Levyns
 Scirpoides
 thunbergii (Schrad.) Soják
 Tetralia
 brachyphylla Levyns NT
 bromoides (Lam.) Pfeiffer
 cuspidata (Rottb.) C.B.Clarke
 DIOSCOREACEAE
 Dioscorea
 sylvatica (Kunth) Eckl. VU
 HAEMODORACEAE
 Wachendorfia
 paniculata Burm.
 HEMEROCALLIDACEAE
 Caesia
 contorta (L.f.) T.Durand & Schinz
 HYACINTHACEAE
 Albuca
 cooperi Baker
 Drimia
 hesperantha J.C.Manning & Goldblatt
 Ornithogalum
 graminifolium Thunb.
 IRIDACEAE
 Aristea
 ecklonii Baker
 Chasmanthe
 aethiopica (L.) N.E.Br.
 Gladiolus
 floribundus Jacq.
 wilsonii (Baker) Goldblatt & J.C.Manning
 Melasphaerula
 ramosa (L.) N.E.Br.
 Moraea
 elliottii Baker
 setifolia (L.f.) Druce
 Romulea
 rosea (L.) Eckl.
 Tritoniopsis
 caffra (Ker Gawl. ex Baker) Goldblatt
 Watsonia
 angusta Ker Gawl.
 JUNCACEAE
 Juncus
 capensis Thunb.
 kraussii Hochst. subsp. kraussii LC
 lomatophyllus Spreng.
 JUNCAGINACEAE
 Triglochin
 striata Ruiz & Pav.
 LANARIACEAE
 Lanaria
 lanata (L.) T.Durand & Schinz
 ORCHIDACEAE
 Acrolophia
 cochlearis (Lindl.) Schltr. & Bolus
 Bonatea
 speciosa (L.f.) Willd. var. speciosa LC
 Disa
 chrysostachya Sw.
 Eulophia
 speciosa (R.Br. ex Lindl.) Bolus De
 Holothrix
 villosa Lindl.
 Satyrium
 hallackii Bolus subsp. hallackii EN
 membranaceum Sw.
 parviflorum Sw.
 princeps Bolus VU
 POACEAE
 Cynodon
 dactylon (L.) Pers.
 Ehrharta
 calycina Sm.
 erecta Lam.
 villosa Schult.f. var. maxima
 villosa Schult.f. var. villosa
 Imperata
 cylindrica (L.) Rae uschel
 Melica
 decumbens Thunb.
 Merxmullera
 cincta (Nees) Conert subsp. sericea N.P.Barker VU
 Panicum
 maximum Jacq.
 Pentaschistis
 pallida (Thunb.) H.P.Linder LC
 Phragmites
 australis (Cav.) Trin. ex Steud.
 Polypogon
 strictus Nees

Setaria
 sphacelata (Schum.) Stapf & C.E.Hubb. ex Moss var.
 sphacelata
 Sporobolus
 virginicus (L.) Kunth
 Stenotaphrum
 secundatum (Walter) Kuntze
 Themeda
 triandra Forssk.
 Tribolium
 hispidum (Thunb.) Desv.
 POTAMOGETONACEAE
 Potamogeton
 pusillus L.
 RESTIONACEAE
 Elegia
 microcarpa (Kunth) Pillans
 Hypodiscus
 striatus (Kunth) Mast.
 Ischyrolepis
 eleocharis (Nees ex Mast.) H.P.Linder
 leptoclados (Mast.) H.P.Linder
 Restio
 triticeus Rottb.
 Thamnochortus
 fruticosus P.J.Bergius
 TYPHACEAE
 Typha
 capensis (Rohrb.) N.E.Br.

Total named species: 398
Total genera: 249
Total families: 92
Total red data species: 19
Total introduced species: 6

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
Ferns										
ASPLENIACEAE	<i>Asplenium cordatum</i> (Thunb.) Sw.		Bokkeveld Mts to E Africa and Madagascar	South east extension of distribution, rock crevices and boulder bases						1
ASPLENIACEAE	<i>Asplenium rutifolium</i> (P. J. Bergius) Kunze	carrot fern	Swellendam to tropical Africa	South east extension of distribution, low-level epiphyte or lithophyte in forests						1
DENNSTAEDTIACEAE	<i>Pteridium aquilinum</i> (L.) Kuhn subsp. <i>aquilinum</i>		Gifberg to Europe	No change, fynbos and forest margins						
PTERIDACEAE	<i>Cheilanthes viridis</i> (Forssk.) Sw.		Cape Peninsula to Arabia and India	No change, forest margins and scrub						
SCHIZAEACEAE	<i>Schizaea pectinata</i> (L.) Sw.	curly grass fern, toothbrush fern	Clanwilliam to E Africa and Madagascar	No change, dry mountain slopes						
THELYPTERIDACEAE	<i>Thelypteris confluens</i> (Thunb.) C.V.Morton	bog fern, scaly lady fern	Cape Peninsula to W and E Africa, Madagascar and	No change, marshes and stream banks						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
			Australasia							
Dicotyledons										
ACANTHACEAE	Barleria obtusa Nees		Humansdorp to Zimbabwe	No change, bush and forest margins						
ACANTHACEAE	Hypoestes aristata (Vahl.) Sol. ex Roem. & Schult.	seeroogblommetjies	De Hoop to tropical Africa	No change, coastal forest margins						
ACHARIACEAE	Ceratosicyos laevis (Thunb.) A.Meeuse		Knysna to N Province	No change, forest margins						
AIZOACEAE	Aizoon rigidum L.f.		Gansbaai and Little Karoo to East London	No change, dry stony slopes, often near the sea						
AIZOACEAE	Tetragonia decumbens Mill.	kinkelbossie	S Namibia to E Cape	No change, coastal dunes						
AIZOACEAE	Tetragonia fruticosa L.	kinkelbossie, kinkelklappers, kleinsaadklaapies	Namaqualand to Clanwilliam to Port	No change, granite and sandstone slopes, especially						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
		brak, klimopkinkelbossie, porslein, slaaibos	Elizabeth	along the coast						
AMARANTHACEAE	<i>Pupalia lappacea</i> (L.) A.Juss.	bosklits, sweethearts	George to tropical Africa and Asia	No change, forest and bush						
ANACARDIACEAE	<i>Rhus crenata</i> Thunb.	(dune) crowberry, duinekraaibessie, rosyntjiefbos	Cape Peninsula to S KwaZulu-Natal	No change , sandy coastal flats						
ANACARDIACEAE	<i>Rhus glauca</i> Thunb.	bloukoeniebos, blue kuni-bush, taaiblaar	Velddrif to Kentani	No change, mostly on dunes						
ANACARDIACEAE	<i>Rhus laevigata</i> L.f.	duinetaaibos, dune taaibos, koerentebos, ranktaaibos, taaibos,	Lamberts Bay to East London	No change, coastal flats and slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
		umhlakothi								
ANACARDIACEAE	<i>Rhus lucida</i> L. forma lucida	blinktaaibos	Citrusdal to Zimbabwe	No change, sandy flats and slopes						
ANACARDIACEAE	<i>Rhus lucida</i> L. forma scoparia (Eckl. & Zeyh.) Moffett		Citrusdal to Zimbabwe	No change, sandy flats and slopes						
ANACARDIACEAE	<i>Rhus undulata</i> Jacq.	karee, koeniebos, kuni-bush	S Namibia to Ladismith	Major south eastern extension to distribution, stony slopes						1
APIACEAE	<i>Alepidea delicatula</i> Weim.		Swartberg and Outeniqua Mts	Eastern extension of distribution, high, rocky sandstone slopes, Cape endemic		1				1
APIACEAE	<i>Berula erecta</i> (Huds.) Coville subsp. thunbergii (DC.) B.L.Burt	tandpynbossie, tandpynwortel, toothache root, water parsnip	Cape Peninsula to Humansdorp, nearly cosmopolitan	No change, streamsides						
APIACEAE	<i>Dasispermum suffruticosum</i>	duineseldery	S Namaqualand to	No change, coastal dunes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	(P.J.Bergius) B.L.Burtt		KwaZulu-Natal							
APIACEAE	Peucedanum capense (Thunb.) Sond.	lidbossie	Karoo, Swartberg and Outeniqua Mts to Mpumalanga	No change, rocky or sandy slopes						
APIACEAE	Sonderina caruifolia (Sond.) H.Wolff		Lambert's Bay to Cape Peninsula	Major eastern extension of distribution, Cape flats endemic					1	1
APOCYNACEAE	Astephanus marginatus Decne.		Knysna to East London	No change, coastal bush						
APOCYNACEAE	Carissa bispinosa (L.) Desf. ex Brenan	isibetha-nkunzi, noemnoem, num-num	Elim to tropical Africa	No change, coastal and karroid scrub						
APOCYNACEAE	Cynanchum natalitium Schltr.	klimop	Knysna to KwaZulu-Natal	No change, coastal bush						
APOCYNACEAE	Cynanchum obtusifolium L.f.	melktou, monkey rope	Cape Peninsula to Mozambique	No change, coastal bush						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
APOCYNACEAE	<i>Gomphocarpus fruticosus</i> (L.) Aiton	shrubby milkweed, tontelbossie	Cape Peninsula and Karoo to George, widespread and almost cosmopolitan	No change, disturbed areas						
APOCYNACEAE	<i>Microloma tenuifolium</i> (L.) K.Schum.	kannetjies, skilpadbos, wax vine	Gifberg to E Cape	No change, stony slopes and flats						
APOCYNACEAE	<i>Secamone alpini</i> Schult.	melktou, monkey rope	Clanwilliam to Uganda	No change, bush and forest to 1000m						
ARALIACEAE	<i>Centella asiatica</i> (L.) Urban	waternael	Cape Peninsula to tropical Africa, widely distributed in the tropics and S hemisphere	No change, marshy or damp places						
ARALIACEAE	<i>Centella hermannifolia</i> (Eckl. & Zeyh.) Domin		Namaqualand to Port Elizabeth	No change, coastal flats and lower slopes						
ARALIACEAE	<i>Centella tridentata</i> (L.f.) Drude ex Domin subsp. <i>hermannifolia</i> (Eckl. &		Namaqualand to Port Elizabeth	No change, coastal flats and lower slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	Zeyh.) M.T.R.Schubert & B.-E,van Wyk									
ARALIACEAE	Cussonia thyrsoflora Thunb.	kuskiepersol	Cape Peninsula to E Cape	No change, coastal scrub						
ARALIACEAE	Hydrocotyle verticillata Thunb.	pennywort	Cape Peninsula to Port Elizabeth, widespread in tropics and subtropics	No change, marshes, seeps, streamsides						
ASTERACEAE	Arctotheca calendula (L.) Levyns	Cape weed, gousblom	Namaqualand and Karoo to Cape Peninsula and Humansdorp	Slight eastern extension of distribution, coastal areas or disturbed soil						1
ASTERACEAE	Arctotheca populifolia (P.J.Bergius) Norl.	sea pumpkin, seepampoen	Saldanha to Mozambique	No change, coastal dunes						
ASTERACEAE	Arctotis elongata Thunb.		No information available	N/A						
ASTERACEAE	Aster bakerianus Burtt Davy ex C.A.Sm.		George to Tanzania	No change, rocky grassland						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ASTERACEAE	<i>Chrysanthemoides monilifera</i> (L.) Norl.	bietou, boetabessie, bosluisbessie, brother berry	Namaqualand to tropical Africa	No change, sandstone and limestone slopes and flats						
ASTERACEAE	<i>Cineraria erodioides</i> DC.		Free State, Western Cape, Eastern Cape	No change						
ASTERACEAE	<i>Conyza scabrida</i> DC.	bakbesembossie, oondbos, ovenbush	Clanwilliam to Zimbabwe	Southern range extension, normally occurs on sandstone slopes or forest margins, often near streams						1
ASTERACEAE	<i>Cotula mariae</i> Bremer & Humphries		Agulhas to Port Elizabeth	No change, coastal dune endemic					1	
ASTERACEAE	<i>Cotula sericea</i> DC.		Mossel Bay to E Cape	No change, coastal slopes						
ASTERACEAE	<i>Cullumia decurrens</i> Less.		Swartberg Mts and Cloete's Pass to Port Elizabeth	No change, sandstone slopes near streams, Cape endemic					1	

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ASTERACEAE	<i>Dicrothamnus rhinocerotis</i> (DC.) Koekemoer	renosterbos	S Namibia to E Cape and Karoo	No change, dry shale and sandstone slopes and flats						
ASTERACEAE	<i>Disparago ericoides</i> (P.J.Bergius) Gaertn.		Darling to Matroosberg and Gouritsmond	Eastern extension of distribution, sandstone slopes, Cape endemic						1
ASTERACEAE	<i>Euryops munitus</i> (L.f.) B.Nord.	umSola	Langkloof to Port Elizabeth	No change, clay and sandstone slopes on dry fynbos, E Cape endemic					1	
ASTERACEAE	<i>Felicia aethiopica</i> (Burm.f.) Adamson & T.M.Salter	wilde-aster, wilde-astertjie	Cedarberg Mts to KwaZulu-Natal	No change, rocky flats and slopes						
ASTERACEAE	<i>Felicia amelloides</i> (L.) Voss	wilde-aster	Stilbaai to E Cape	No change, coastal bush						
ASTERACEAE	<i>Felicia amoena</i> (Sch.Bip.) Levyns subsp. <i>latifolia</i> Grau		Cedarberg Mts to E Cape	No change, stony slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
Asteraceae	<i>Felicia echinata</i> (Thunb.) Less.	bloublommetjie	Mossel Bay to Port Alfred	No change, coastal bush						
ASTERACEAE	<i>Gazania krebsiana</i> Less.	botterblom, gousblom, rooigazania, rooigousblom	throughout southern Africa to Tanzania	No change, roadsides, flats and lower slopes						
ASTERACEAE	<i>Gazania linearis</i> (Thunb.) Druce var. <i>linearis</i>	bensli, botterblom	Humansdorp to KwaZulu-Natal	No change, grassy slopes						
ASTERACEAE	<i>Gazania rigens</i> (L.) Gaertn.		George to S Mozambique	No change, coastal dunes and sandy flats						
ASTERACEAE	<i>Helichrysum anomalum</i> Less.		Outeniqua and Kammanassie Mts to Lesotho	No change, stony slopes						
ASTERACEAE	<i>Helichrysum asperum</i> (Thunb.) Hilliard & B.L.Burt	geilsiekte-opslag	Namibia to KwaZulu-Natal	No change, stony slopes and flats						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ASTERACEAE	<i>Helichrysum crispum</i> (L.) D.Don.	Hottentotskooigoed, kooigoed	Bloubergstrand to George	No change, coastal dunes endemic					1	
ASTERACEAE	<i>Helichrysum cymosum</i> (L.) D.Don.		Mamre to Mpumalanga	No change, sandy slopes in damp places						
ASTERACEAE	<i>Helichrysum felinum</i> Less.		Cape Peninsula to KwaZulu-Natal	No change, sandstone slopes						
ASTERACEAE	<i>Helichrysum foetidum</i> (L.) Moench var. <i>foetidum</i>	brandblom, geelsewejaartjie	Cedarberg Mts to E Cape	No change, damp rocky slopes						
ASTERACEAE	<i>Helichrysum gymnocomum</i> DC.		KwaZulu Natal, Limpopo, Eastern Cape	No change						
ASTERACEAE	<i>Helichrysum helianthemifolium</i> (L.) D.Don.		Cedarberg Mts to Uitenhage	No change, rocky slopes in damp places, Cape endemic					1	
ASTERACEAE	<i>Helichrysum litorale</i> Bolus	everlasting	Saldanha to E Cape	No change, coastal sands						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ASTERACEAE	<i>Helichrysum patulum</i> (L.) D.Don.	Hottentot's bedding, Hottentotskooigoed, kooigoed	Cape Peninsula to Mossel Bay	Major eastern extension of distribution, coastal dunes endemic					1	1
ASTERACEAE	<i>Helichrysum petiolare</i> Hilliard & B.L.Burt	kooigoed	Cedarberg and Jonkershoek Mts to KwaZulu-Natal	No change, sheltered slopes and forest margins						
Asteraceae	<i>Helichrysum praecinctum</i> Klatt		Eastern Cape	No change						
ASTERACEAE	<i>Helichrysum rutilans</i> (L.) D.Don		Mamre and Worcester to Free State	No change, rocky slopes						
ASTERACEAE	<i>Helichrysum teretifolium</i> (L.) D.Don.		Piketberg to KwaZulu-Natal	No change, sandy slopes and dunes						
ASTERACEAE	<i>Hippia frutescens</i> (L.) L.	rankals	Ceres to Storms River	80km east of distribution, sandstone slopes, often near streams or marshes, Cape endemic						1

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ASTERACEAE	<i>Metalasia densa</i> (Lam.) Karis	blombos	Namaqualand to N Province	No change, sandy or stony flats and slopes						
ASTERACEAE	<i>Metalasia muricata</i> (L.) D.Don.	blombos, steekbos, witsteekbossie	Yzerfontein to Transkei	No change, coastal sands						
ASTERACEAE	<i>Nidorella auriculata</i> DC.		Caledon to tropical Africa	No change, damp places, often marshes or forest margins						
ASTERACEAE	<i>Othonna cylindrica</i> (Lam.) DC.	dikblaarbobbegaa nkool, ossierapuis	Namaqualand to Humansdorp, W Karoo and E Cape	No change, sandy and stony flats and rocks						
ASTERACEAE	<i>Othonna rufibarbis</i> Harv.		Western Cape, Eastern Cape	No change						
ASTERACEAE	<i>Plecostachys serpyllifolia</i> (P.J.Bergius) Hilliard & B.L.Burtt	vaaltee	Langebaan to KwaZulu-Natal	No change, sandy coastal flats or damp slopes, often coastal						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ASTERACEAE	<i>Pteronia teretifolia</i> (Thunb.) Fourc.		Potberg to E Cape	No change, Limestone outcrops or forest margins						
ASTERACEAE	<i>Senecio deltoideus</i> Less.		Swellendam to tropical Africa	No change, forest margins cliffs						
ASTERACEAE	<i>Senecio elegans</i> L.	strandblommetjie, veld cineraria, wild cineraria	Saldanha to Port Elizabeth	No change, coastal dune endemic					1	
ASTERACEAE	<i>Senecio halimifolius</i> L.	tabakbos	Lambert's Bay to Hermanus	Major eastern extension of distribution, coastal dunes endemic					1	1
ASTERACEAE	<i>Senecio inaequidens</i> DC.		Widespread	No change						
ASTERACEAE	<i>Senecio lanceus</i> Aiton	kammiebos, vleibos	Cedarberg Mts to Cape Peninsula and to KwaZulu-Natal	No change, sandstone slopes near streams						
ASTERACEAE	<i>Senecio leptophyllus</i>		Albertinia to Free State	No change, dry stony karroid						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	DC.			slopes						
ASTERACEAE	Senecio litorosus Fourc.		Western Cape, Eastern Cape	No change						
ASTERACEAE	Senecio oederiifolius DC.	kouterbossie	Humansdorp to Van Staden's Mts	No change, damp grassland, Cape endemic		1				
ASTERACEAE	Senecio pellucidus DC.		Eastern Cape	No change						
ASTERACEAE	Senecio purpureus L.		Cape Peninsula to S KwaZulu-Natal	No change, moist slopes, especially after fire						
ASTERACEAE	Senecio rigidus L.	poisonous ragwort, rough ragwort	Olifants River Valley to Uitenhage	No change, sandstone slopes and gullies, Cape endemic					1	
ASTERACEAE	Senecio rosmarinifolius L.f.	gryshongerblom	Namaqualand to Cape Peninsula to E Cape and Karoo	No change, sandy and stony slopes						
ASTERACEAE	Seriphium cinereum L.	vaalhartebeeskar oo,	Cape Peninsula to	No change, slopes, often shale,					1	

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
		vaalrenosterbos	Riviersonderend Mts	Cape endemic						
ASTERACEAE	Seriphium plumosum L.	"khoi"-kooigoed, slangbos	Throughout southern Africa	No change, rocky flats and slopes						
ASTERACEAE	Syncarpha argentea (Thunb.) B.Nord.	silver everlasting	Uitenhage to E Cape	No change, coastal grassland and scrub						
ASTERACEAE	Syncarpha sordescens (DC.) B.Nord.		Port Elizabeth to Alexandria	No change, dunes and sandy slopes						
ASTERACEAE	Tarchonanthus camphoratus L.	camphor bush, isiduli, kanferbos	Namibia, Cape Peninsula to E Africa	No change, widespread, mainly coastal						
ASTERACEAE	Ursinia anthemoides (L.) Poir.	bergmargriet, ma(r)griet, marigold	S Namibia and Karoo to Port Elizabeth	No change, sandy and gravel slopes and flats						
Asteraceae	Vellereophyton vellereum (R.A.Dyer) Hilliard		Humansdorp to East London	No change, dune slacks						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
BORAGINACEAE	<i>Anchusa capensis</i> Thunb.	Cape forget-me-not, forget-me-not, ystergras	Namibia, Lesotho and drier parts of S Africa to Mpumalanga	No change, roadsides						
BORAGINACEAE	<i>Myosotis graminifolia</i> DC.		Port Elizabeth to Mpumalanga	No change, coastal bush						
BRASSICACEAE	<i>Capparis sepiaria</i> L.	Cape caper, intshilo, Kaapse-kappertjie, kapkappertjie	Riversdale through E Africa to Malaysia	No change, coastal scrub						
BRASSICACEAE	<i>Heliophila linearis</i> (Thunb.) DC.		Langebaan to E Cape	No change, sandy coastal flats						
BRASSICACEAE	<i>Heliophila subulata</i> Burch. ex DC.		Cold Bokkeveld to Cape Peninsula to E Cape	No change, coastal flats and slopes						
BRASSICACEAE	<i>Lepidium africanum</i> (Burm.f.) DC.	bird-seed, peperbossie, pepper weed	Widespread indigenous weed	No change, on disturbed ground						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
CAMPANULACEAE	Grammatotheca bergiana (Cham.) C.Presl	water lobelia	Bainskloof to KwaZulu-Natal	No change, marshy flats						
CAMPANULACEAE	Lobelia anceps L.f.	vleilobelia	Cape Peninsula to KwaZulu-Natal	No change, damp places, usually near the coast						
CAMPANULACEAE	Lobelia erinus L.	wild lobelia	Bokkeveld Mts to tropical Africa	No change, lower mountain slopes and coastal flats						
CAMPANULACEAE	Monopsis unidentata (Dryand. ex Aiton) E.Wimm.	wild violet	Riviersonderend to KwaZulu-Natal	No change, damp sandy flats and rocky slopes at low elevations						
CARYOPHYLLACEAE	Cerastium capense Sond.	horingblom	widespread in southern Africa	No change, sheltered flats and slopes and waste sites						
CARYOPHYLLACEAE	Silene bellidioides Sond.	wild tobacco, wildetabak	Tulbagh to Cape Peninsula and Port Elizabeth to Mpumalanga	No change, sandy flats and slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
CARYOPHYLLACEAE	<i>Silene primuliflora</i> Eckl. & Zeyh.		Mossel Bay to KwaZulu-Natal	No change, coastal sand dunes						
CELASTRACEAE	<i>Cassine peragua</i> L.	bastard saffronwood, bastersaffraan, Cape saffron, ikhukhuzi, lepelhout	Bokkeveld Mountains to Cape Peninsula to Mpumalanga	No change, coastal scrub, woodland or forest margins						
CELASTRACEAE	<i>Gymnosporia buxifolia</i> (L.) Szyszyl.	gewonependoring, mnquqoba, stinkpendoring	widespread in southern and tropical Africa	No change, forest margins and disturbed areas						
CELASTRACEAE	<i>Lauridia tetragona</i> (L.f.) R.H.Archer	climbing saffron, ranksaffraan	Hermanus to N Province	No change, scrub						
CELASTRACEAE	<i>Maytenus procumbens</i> (L.f.) Loes.	duinekokoboom, dune koko tree, umPhono-phono	De Hoop to tropical Africa	No change, coastal dune forest						
CELASTRACEAE	<i>Mystroxydon aethiopicum</i> (Thunb.)	Cape cherry, koeboebessie,	Heidelberg to tropical	No change, forest margins or						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	Loes.	kubusbessie	Africa	scrub						
CELASTRACEAE	<i>Pterocelastrus tricuspidatus</i> (Lam.) Sond.	cherrywood, kershout, utwina	Velldrif to Cape Peninsula to Port Edward	No change, dune scrub or forest						
CELASTRACEAE	<i>Putterlickia pyracantha</i> (L.) Szyszyl.	basterpendoring, pendoring, wildegranaat	Velldrif to E Cape	No change, coastal scrub						
CELASTRACEAE	<i>Robsonodendron maritimum</i> (Bolus) R.H.Archer	duinesybas	Cape Peninsula to E Cape	No change, coastal scrub						
CONVOLVULACEAE	<i>Dichondra micrantha</i> Urban	daisy grass	Cape Peninsula to tropical Africa and worldwide	No change, rock sheets or grassy flats						
CONVOLVULACEAE	<i>Falkia repens</i> L.f.	oortjies	Darling to E Cape	No change, damp coastal flats and seeps						
CRASSULACEAE	<i>Cotyledon orbiculata</i> L.	honde-oor, kouterie, pig's	Namibia and South	No change, sandy or stony soils						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
		ear, plakkie(s), varkoor	Africa	in scrub						
CRASSULACEAE	<i>Crassula expansa</i> Dryand. subsp. <i>expansa</i>	strepiescrassula	S Namibia to Mozambique	No change, coastal sands and limestone						
CRASSULACEAE	<i>Crassula nudicaulis</i> L.	bergplakkie, skraalplakkie	Bokkeveld Mts to N Province	No change, dry stony slopes						
CRASSULACEAE	<i>Crassula pubescens</i> Thunb. subsp. <i>pubescens</i>		Bokkeveld Mts to E Cape and Karoo	No change, sheltered rock crevices						
CRASSULACEAE	<i>Crassula subulata</i> L. var. <i>fastigiata</i>		Bokkeveld Mts to Port Alfred	No change, dry rocky slopes						
CRASSULACEAE	<i>Crassula tetragona</i> L.	karkai	Namaqualand and Karoo to E Cape	No change, dry slopes						
CUCURBITACEAE	<i>Kedrostis nana</i> (Lam.) Cogn.	bryony, ystervarkpatat(s)	Saldanha to KwaZulu- Natal	No change, coastal scrub						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
CUCURBITACEAE	<i>Zehneria scabra</i> (L.f.) Sond. subsp. <i>scabra</i>	dawidjies	Cape Peninsula to tropical Africa	No change, forest margins						
DIPSACACEAE	<i>Scabiosa columbaria</i> L.	bitterbos, jongmansknoop, scabious	widespread through Africa, Europe and Asia	No change, rocky slopes						
DRYOPTERIDACEAE	<i>Cyrtomium micropterum</i> (Kunze) Ching		Mpumalanga, KwaZulu-Natal, Limpopo, Eastern Cape	No change						
EBENACEAE	<i>Diospyros dichrophylla</i> (Gand.) De Winter	poison peach, tolbos	Potberg and Montagu to N Province	No change, coastal scrub and forest margins						
EBENACEAE	<i>Diospyros simii</i> (Kuntze) De Winter		KwaZulu Natal	Southern extension of distribution						1
EBENACEAE	<i>Euclea natalensis</i> A.DC.	bergghwarrie, swartbasboom	Pakhuis Mts to Langebaan and Humansdorp to tropical Africa	No change, bush and scrub						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
EBENACEAE	<i>Euclea racemosa</i> Murray	bosghwarrie, bush guarri, kersbos, sea guarri, seeghwarrie	Namaqualand to E Cape	No change, coastal scrub						
ERICACEAE	<i>Erica chloroloma</i> Lindl.		Wilderness to Fish River mouth	No change, coastal dunes and limestone						
ERICACEAE	<i>Erica discolor</i> Andrews		Betty's Bay to Humansdorp and Swartberg	No change, coastal flats and lower mountain slopes, Cape endemic					1	
ERICACEAE	<i>Erica glumiflora</i> Klotzsch ex Benth		George to Humansdorp	No change, sand dunes and lower slopes, S coast endemic					1	
ERICACEAE	<i>Erica gracilis</i> J.C.Wendl.		Heidelberg to Humansdorp	No change, flats and lower slopes, S coast endemic					1	
ERICACEAE	<i>Erica pectinifolia</i> Salisb.		Uniondale to Port Elizabeth	No change, flats to middle slopes, E coast endemic					1	

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ERICACEAE	<i>Erica sessiliflora</i> L.f.		Piketberg to Humansdorp	No change, flats and mostly lower slopes, Cape endemic					1	
ERICACEAE	<i>Erica sparmannii</i> L.f.		Uniondale to Humansdorp	No change, flats and lower slopes, E coast endemic					1	
EUPHORBIACEAE	<i>Adenocline acuta</i> (Thunb.) Baill.		Hottentots Holland Mts to Mpumalanga	No change, coastal bush						
EUPHORBIACEAE	<i>Clutia affinis</i> Sond.	oumeisieknie	Villiersdorp to Mpumalanga	No change, forest margins						
EUPHORBIACEAE	<i>Clutia alaternoides</i> L.		Namaqualand to E Cape	No change, rocky sandstone or limestone slopes						
EUPHORBIACEAE	<i>Clutia daphnoides</i> Lam.	vaalblaar, vaalbliksembos, vaalbossie	Saldanha to E Cape	No change, coastal bush						
Euphorbiaceae	<i>Euphorbia epicyparissias</i> E.Mey. ex Boiss.	pisgoed	Gansbaai to Mpumalanga	No change, coastal bush and forest margins						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
EUPHORBIACEAE	<i>Leidesia procumbens</i> (L.) Prain		Cape Peninsula to Mpumalanga	No change, forest and bush						
FABACEAE	<i>Dipogon lignosus</i> (L.) Verdc.	bosklimop	Saldanha to E Cape	No change, scrub or forest						
FABACEAE	<i>Indigofera heterophylla</i> Thunb.		Namaqualand and Karoo to E Cape	No change, renosterveld and fynbos						
FABACEAE	<i>Indigofera mollis</i> Eckl. & Zeyh.		Western Cape, Eastern Cape	No change						
FABACEAE	<i>Indigofera stricta</i> L.f.		Mossel Bay to E Cape	No change, coastal bush and thicket						
FABACEAE	<i>Indigofera sulcata</i> DC.		Swartberg Mts to E Cape	No change, mountain and lowland fynbos						
FABACEAE	<i>Indigofera tomentosa</i> Eckl. & Zeyh.		Mossel Bay to E Cape	No change, coastal fynbos						
FABACEAE	<i>Indigofera zeyheri</i> Spreng. ex Eckl. &		Widespread	No change						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	Zeyh.									
FABACEAE	Lessertia stenoloba E. Mey.		Bredasdorp to E Cape	No change, coastal and arid fynbos						
FABACEAE	Lotononis laxa Eckl. & Zeyh.		Widespread	No change						
FABACEAE	Otholobium stachyerum (Eckl. & Zeyh.) C.H.Stirt.		Caledon to E Cape	No change, grassy fynbos, riverbanks, forest margins, 200-1450m						
FABACEAE	Otholobium virgatum (Burm.f.) C.H.Stirt.		Porterville and Saldanha to E Cape	No change, marshes in fynbos						
FABACEAE	Psoralea affinis Eckl. & Zeyh.		Tulbagh to E Cape	No change, mountain, lowland and coastal fynbos, marshy areas						
FABACEAE	Psoralea pinnata L.	bloubos, bloukeur, fonteinbos, fountain bush,	Cape Peninsula to Kogelberg	Major eastern extension of range, mountain fynbos, forest margins, riverbeds, Cape endemic						1

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
		penwortel								
FABACEAE	<i>Psoralea repens</i> L.		Cape Peninsula to E Cape	No change, coastal fynbos, below 50m						
FABACEAE	<i>Psoralea</i> sp. nov. ABL 15269		No information available	N/A						
FABACEAE	<i>Rhynchosia capensis</i> (Burm.f.) Schinz		Cape Peninsula to E Cape	No change, riverbanks, below 660m						
FABACEAE	<i>Rhynchosia caribaea</i> (Jacq.) DC.		George to tropical Africa	No change, coastal forests, below 600m						
FABACEAE	<i>Rhynchosia chrysoscias</i> Benth. ex Harv.		Caledon to E Cape	No change, sandstone slopes						
FABACEAE	<i>Rhynchosia ciliata</i> (Thunb.) Schinz		Heidelberg to E Cape	No change, sandstone slopes and flats						
FABACEAE	<i>Tephrosia capensis</i> (Jacq.) Pers.		Cape Peninsula to E Cape	No change, sandy or grassy slopes and flats						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
FABACEAE	<i>Virgilia oroboides</i> (P.J.Bergius) T.M.Salter		Cape Peninsula to George	Major eastern extension of distribution, forest margins, streamsides, Cape endemic					1	1
FLACOURTIACEAE	<i>Dovyalis rhamnoides</i> (Burch. ex DC.) Burch. & Harv.		George to Mpumalanga	No change, forests and scrub						
FLACOURTIACEAE	<i>Dovyalis rotundifolia</i> (Thunb.) Thunb. & Harv.	duinesuurbessie, dune dovyalis	Humansdorp to E Cape	No change, coastal dune forest and Cape endemic					1	
FLACOURTIACEAE	<i>Scolopia zeyheri</i> (Nees) Harv.	doringpeer, thorn pear	Knysna to Mpumalanga	No change, forests and scrub						
FLACOURTIACEAE	<i>Trimeria trinervis</i> Harv.		Knysna to Mpumalanga	No change, forests and scrub forests						
GENTIANACEAE	<i>Chironia baccifera</i> L.	bitterbessiebos, perdebossie	Namaqualand to KwaZulu-Natal	No change, sandy flats and slopes						
GENTIANACEAE	<i>Chironia decumbens</i> Levyns		Cape Peninsula to E Cape	No change, coastal flats and vleis						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
GENTIANACEAE	<i>Chironia peduncularis</i> Lindl.		Knysna to E Cape	No change, damp, shaded places						
GENTIANACEAE	<i>Chironia serpyllifolia</i> Lehm.		Humansdorp to E Cape	No change, damp places						
GENTIANACEAE	<i>Chironia tetragona</i> L.f.		Cape Peninsula to E Cape	No change, coastal sands and limestone						
GENTIANACEAE	<i>Sebaea minutiflora</i> Schinz		Cape Peninsula to E Cape	No change, damp sandy coastal flats						
GERANIACEAE	<i>Geranium ornithopodon</i> Eckl. & Zeyh.		Cape Peninsula to E Cape	No change, damp ground in scrub or forest						
GERANIACEAE	<i>Pelargonium capitatum</i> (L.) L'Hér.	kusmalva, rose-scented pelargonium	Lambert's Bay to KwaZulu-Natal	No change, coastal dunes and flats						
GERANIACEAE	<i>Pelargonium grossularioides</i> (L.) L'Hér.		Clanwilliam to KwaZulu-Natal	No change, damp places						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
GERANIACEAE	Pelargonium suburbanum Clifford ex C.Boucher subsp. suburbanum		Cape Peninsula to Port Elizabeth	No change, coastal dunes endemic					1	
GOODENIACEAE	Scaevola plumieri (L.) Vahl		Indo-Pacific coasts to Agulhas	No change, coastal foredunes						
GUNNERACEAE	Gunnera perpensa L.		Swartuggens to Cape Peninsula and Little Karoo, to N Africa	No change, marshes						
ICACINACEAE	Apodytes dimidiata E.Mey. ex Arn. subsp. dimidiata	white pear, witpeer	Cape Peninsula to tropical Africa	No change, rocky slopes and forest						
LAMIACEAE	Leonotis leonurus (L.) R.Br.	duiwelstabak, klipdagga, rivierdagga, rooidagga, wildedagga	Clanwilliam to Gauteng	No change, forest margins or rough grassland						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
LAMIACEAE	<i>Mentha aquatica</i> L.	wild mint	Clanwilliam to Knysna and to Europe	No change, marshes and wet places						
LAMIACEAE	<i>Salvia africana-lutea</i> L.	bruinsalie, sandsalie, strandsalie, wild sage	Namaqualand to E Cape	No change, coastal dunes and slopes						
LAURACEAE	<i>Cassytha ciliolata</i> Nees	false dodder, nooienshaar	Clanwilliam to E Cape	No change, various						
LENTIBULARIACEAE	<i>Utricularia bisquamata</i> Schrank		throughout southern Africa	No change, boggy acid soils						
LINACEAE	<i>Linum africanum</i> L.	African flax	Hopefield to Knysna	Eastern extension of distribution, sandstone and limestone slopes and flats, Cape endemic						
MALVACEAE	<i>Grewia occidentalis</i> L.		Cape Peninsula to Zimbabwe	No change, forest margins and bush						
MALVACEAE	<i>Hermannia saccifera</i>		Riviersonderend Mts and Bredasdorp to E	No change, stony clay slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	(Turcz.) K.Schum.		Cape							
MALVACEAE	Hermannia velutina DC.		Humansdorp to S KwaZulu-Natal	No change, stony slopes						
MALVACEAE	Hibiscus aethiopicus L.		Elandskloof Mts to KwaZulu-Natal	No change, stony sandstone slopes or clay slopes						
MALVACEAE	Hibiscus diversifolius Jacq.		Plettenberg Bay to tropical Africa	No change, forest margins and bush						
MENISPERMACEAE	Cissampelos capensis L.f.	davidjies, fynblaarklimop	S Namibia and W Karoo to Port Elizabeth	No change, sandy slopes in scrub						
MESEMBRYANTHEMACEAE	Carpobrotus acinaciformis (L.) L.Bolus	elandsvy, Hottentot fig, sour fig, suurvy	Saldanha to Mossel Bay	Major eastern range extension, coastal dune endemic					1	1
MESEMBRYANTHEMACEAE	Carpobrotus deliciosus (L.Bolus) L.Bolus		Riversdale to KwaZulu-Natal	No change, sand dunes or rocky grassland						
MESEMBRYANTHEMACEAE	Delosperma patersoniae		Port Elizabeth	Western extension of distribution, calcareous sands, E coast				1		1

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	(L.Bolus) L.Bolus			endemic						
MESEMBRYANTHEMACEAE	Drosanthemum hispidum (L.) Schwantes	fyn t'nouroebos	dry parts of southern Africa	No change, pioneer						
MESEMBRYANTHEMACEAE	Mesembryanthemum canaliculatum Haw.	kruipvygie	Cape Peninsula to Port Elizabeth	No change, coastal dune endemic					1	
MESEMBRYANTHEMACEAE	Mesembryanthemum splendens L. subsp. splendens		Worcester to E Cape and Karoo	No change, dry flats and lower slopes						
MOLLUGINACEAE	Pharnaceum dichotomum L.f.		Namaqualand and Karoo to E Cape	No change, dry slopes						
MYRICACEAE	Morella cordifolia (L.) Killick	candle berry, dune waxberry, glashout, wasbessie, waxberry	Yzerfontein to E Cape	No change, coastal sands and limestones						
MYRICACEAE	Morella quercifolia (L.)	maagpynbossie	Namaqualand to E Cape	No change, mostly coastal sandy						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
	Killick			and limestone flats and slopes						
MYRICACEAE	Morella serrata (Lam.) Killick	gammabos, wasbessie, waterolier, waxberry	Bainskloof to Mpumalanga and Caprivi	No change, rocky streamsides						
MYRSINACEAE	Rapanea gilliana (Sond.) Mez	dwarf Cape beech, dwerghoekenhout	Humansdorp to E Cape	No change, coastal dune scrub						
MYRSINACEAE	Rapanea melanophloeos (L.) Mez		Cape Peninsula to tropical Africa	No change, forests						
OLEACEAE	Chionanthus foveolatus (E.Mey.) Stearn subsp. foveolatus		Cape Peninsula to Mpumalanga	No change, coastal bush and rocky slopes						
OLEACEAE	Olea capensis L. subsp. capensis	ysterhout	Olifants River Mts to E Cape and to tropical Africa	No change, forest and scrub						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
OLEACEAE	<i>Olea exasperata</i> Jacq.	slanghout	Cape Peninsula to E Cape	No change, coastal scrub on sand and limestone						
ONAGRACEAE	<i>Epilobium capense</i> Buchinger ex Hochst.		Cold Bokkeveld Mts to tropical Africa	No change, damp places						
OROBANCHACEAE	<i>Alectra sessiliflora</i> (Vahl) Kuntze		Gifberg to tropical Africa and Madagascar	No change, damp flats and lower slopes						
OROBANCHACEAE	<i>Harveya purpurea</i> (L.f.) Harv. ex Hook.		Cedarberg Mts to KwaZulu-Natal	No change, lower slopes and flats on sandy soils						
OROBANCHACEAE	<i>Melasma scabrum</i> P.J. Bergius		Cape Peninsula to Mpumalanga	No change, damp mountain slopes						
OXALIDACEAE	<i>Oxalis incarnata</i> L.		Cape Peninsula to Uitenhage	No change, coastal endemic					1	
OXALIDACEAE	<i>Oxalis polyphylla</i> Jacq.	fynblaarsuring	Malmesbury to Port Elizabeth	No change, Cape flats endemic					1	
OXALIDACEAE	<i>Oxalis purpurea</i> L.	grootsuring	Namaqualand and W Karoo to Port Elizabeth	No change, flats and slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
PLANTAGINACEAE	<i>Plantago crassifolia</i> Forssk.	fleshy plantain	Saldanha Bay to tropical Africa	No change, coastal sands and limestone						
PLUMBAGINACEAE	<i>Limonium scabrum</i> (Thunb.) Kuntze	brakblommetjie, sea lavender	Cape Peninsula to E Cape	No change, coastal dunes and estuaries						
PLUMBAGINACEAE	<i>Limonium</i> sp. nov. ABL 15508		No information available	N/A						
POLYGALACEAE	<i>Muraltia squarrosa</i> (L.f.) DC.		George to Alexandria	No change, sandstone slopes						
POLYGALACEAE	<i>Polygala ericaefolia</i> DC.		George to Port Elizabeth	No change, SE coastal endemic					1	
POLYGALACEAE	<i>Polygala microlopha</i> DC.		Montagu to E Cape	No change, rocky sandstone and clay slopes						
POLYGALACEAE	<i>Polygala myrtifolia</i> L.	Septemberbos	Bokkeveld Mts to KwaZulu-Natal	No change, rocky slopes						
POLYGALACEAE	<i>Polygala virgata</i> Thunb.		Swellendam to tropical Africa	No change, sandstone or clay or limestone slopes, often forest						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
				margins						
POLYGONACEAE	<i>Persicaria attenuata</i> (R.Br.) Soják subsp. <i>africana</i> K.L.Wilson		Widespread	No change						
POLYGONACEAE	<i>Rumex acetosella</i> L. subsp. <i>angiocarpus</i> (Murb.) Murb.	boksuring, sheep sorrel	Cosmopolitan weed	No change, disturbed places						
POLYGONACEAE	<i>Rumex lanceolatus</i> Thunb.		Widespread	No change						
POLYGONACEAE	<i>Rumex pulcher</i> L. subsp. <i>divaricatus</i> (L.) Murb.		Western Cape, Eastern Cape	No change						
PROTEACEAE	<i>Leucadendron salignum</i> P.J.Bergius	common sunshine conebush, geelbos, geeltolbos, knopbos, knoppiesbos,	Bokkeveld Mts to Grahamstown	No change, sandy and clay slopes and flats						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
		rooibos, stompieknobos, sunshine bush								
PROTEACEAE	<i>Protea neriifolia</i> R.Br.	blousuikerbos, blue sugarbush	Kleinwinterhoek Mts to Port Elizabeth	No change, sandstone and clay slopes, Cape endemic					1	
RANUNCULACEAE	<i>Clematis brachiata</i> Thunb.		Montagu to Port Elizabeth, widespread in southern and tropical Africa	No change, scrub and forest margins						
RANUNCULACEAE	<i>Knowltonia capensis</i> (L.) Huth		Porterville to Cape Peninsula	Major eastern extension of distribution, shaded rocky slopes, Cape endemic					1	
RANUNCULACEAE	<i>Ranunculus multifidus</i> Forssk.	buttercup	Namaqualand to Cape Peninsula to Arabia	No change, damp places						
RHAMNACEAE	<i>Phylica gnidioides</i> Eckl. & Zeyh.		Humansdorp to Grahamstown	No change, dunes and grassy slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
RHAMNACEAE	<i>Phyllica litoralis</i> (Eckl. & Zeyh.) D.Dietr.		Knysna to East London	No change, coastal dunes						
RHAMNACEAE	<i>Rhamnus prinoides</i> L'Her.		Riversdale to tropical Africa	No change, riverine scrub and forest margins						
RHAMNACEAE	<i>Scutia myrtina</i> (Burm.f.) Kurz		Cape Peninsula to tropical Africa	No change, forest margins						
ROSACEAE	<i>Cliffortia filifolia</i> L.f.		Malmesbury to Knysna	Major eastern extension of distribution, Cape flats endemic						1
ROSACEAE	<i>Cliffortia odorata</i> L.f.	wildewingerd	Clanwilliam to KwaZulu-Natal	No change, sandstone slopes						
ROSACEAE	<i>Cliffortia paucistaminea</i> Weim.		George to KwaZulu-Natal	No change, lower mountain slopes						
ROSACEAE	<i>Rubus rigidus</i> Sm.		Clanwilliam to tropical Africa	No change, forest margins						
RUBIACEAE	<i>Anthospermum aethiopicum</i> L.		Bokkeveld Escarpment to E Cape	No change, clay slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
RUBIACEAE	<i>Anthospermum herbaceum</i> L.f.		Hermanus to N Africa	No change, scrub and damp thickets						
RUBIACEAE	<i>Anthospermum prostratum</i> Sond.		Saldanha to Port Elizabeth	No change, coastal dune endemic					1	
RUBIACEAE	<i>Anthospermum spathulatum</i> Spreng.	skaapbos	Namaqualand to E Cape	No change, sandy soils						
RUBIACEAE	<i>Canthium spinosum</i> (Klotzsch) Kuntze		Humansdorp to KwaZulu-Natal	No change, coastal forests						
RUBIACEAE	<i>Galopina circaeoides</i> Thunb.		Riviersonderend Mts to tropical Africa	No change, forests or damp scrub						
RUBIACEAE	<i>Psydrax obovata</i> Eckl. & Zeyh. subsp. <i>obovata</i>		Humansdorp to Zimbabwe	No change, coastal dunes						
RUTACEAE	<i>Agathosma apiculata</i> G.Mey.		Riversdale to Port Alfred	No change, coastal dunes, clays, granite and limestone						
RUTACEAE	<i>Agathosma</i> sp. nov. ABL 15400		No information available	N/A						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
RUTACEAE	<i>Agathosma stenopetala</i> (Steud.) Steud.		Humansdorp to Port Elizabeth	No change, coastal limestone hills and SE coastal endemic		1				
RUTACEAE	<i>Clausena anisata</i> (Willd.) Hook.f. ex Benth.	horsewood, perdepis	Riversdale to tropical Africa	No change, evergreen forests						
RUTACEAE	<i>Zanthoxylum capense</i> (Thunb.) Harv.	kleinperdepram, small knobwood	George to tropical Africa	No change, evergreen forests						
SALVADORACEAE	<i>Azima tetraacantha</i> Lam.		Cape Infanta to tropical Africa	No change, lowland scrub and bush						
SANTALACEAE	<i>Osyris compressa</i> (P.J.Bergius) A.DC.	pruimbassie	Cedarberg Mts to tropical Africa	No change, sandstone slopes						
SANTALACEAE	<i>Rhoiacarpos capensis</i> (Harv.) A.DC.		Mossel Bay to KwaZulu-Natal	No change, coastal bush						
SANTALACEAE	<i>Thesidium fragile</i> (Thunb.) Sond.	breekgroenbasbossie	Little Karoo, Saldanha Bay to E Cape	No change, sandy flats and slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
SANTALACEAE	<i>Thesium commutatum</i> Sond.		Cold Bokkeveld to Uitenhage	No change, flats and slopes, Cape endemic					1	
SAPINDACEAE	<i>Allophylus decipiens</i> (Sond.) Radlk.		Gourits River to Mpumalanga	No change, coastal bush						
SAPOTACEAE	<i>Sideroxylon inerme</i> L. subsp. <i>inerme</i>		Cape Peninsula to tropical Africa	No change, sand dunes and coastal bush						
SCROPHULARIACEAE	<i>Chaenostoma campanulatum</i> (Benth.) Kuntze		Stilbaai to Port Alfred	No change, sandy places in scrub or grassland						
SCROPHULARIACEAE	<i>Chaenostoma hispidum</i> (Thunb.) Druce		Cape Peninsula to Bredasdorp	Major eastern extension of distribution, rocky sandstone or limestone, limestone endemic					1	
SCROPHULARIACEAE	<i>Dischisma ciliatum</i> (P.J.Bergius) Choisy		Lokenberg to Port Elizabeth	No change, rocky slopes and flats						
SCROPHULARIACEAE	<i>Hebenstretia cordata</i> L.	kusslakblom	Namaqualand to Port Alfred	No change, coastal dunes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
SCROPHULARIACEAE	<i>Hebenstretia integrifolia</i> L.		Namibia to E Cape	No change, rocky soils, often in grassland						
SCROPHULARIACEAE	<i>Jamesbrittenia microphylla</i> (L.f.) Hilliard		Knysna to Port Alfred	No change, coastal scrub or grassland						
SCROPHULARIACEAE	<i>Manulea obovata</i> Benth.		Humansdorp to Port Alfred	No change, sand dunes or coastal scrub						
SCROPHULARIACEAE	<i>Selago canescens</i> L.f.		Bellville to Port Elizabeth	No change, dry, clay slopes, Cape endemic					1	
SCROPHULARIACEAE	<i>Selago rotundifolia</i> L.f.		Knysna to Port Elizabeth	No change, grassy flats, SE coastal endemic					1	
SCROPHULARIACEAE	<i>Veronica anagallis-aquatica</i> L.		widespread through southern Africa, probably introduced from Europe	No change,						
SCROPHULARIACEAE	<i>Zaluzianskya maritima</i> (L.f.) Walp.		George to E Cape	No change, SE coastal dunes endemic					1	

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
SOLANACEAE	<i>Solanum africanum</i> Mill.	dronkbessie, dronktou, melkellie	Cape Peninsula to KwaZulu-Natal	No change, coastal dunes in bush						
SOLANACEAE	<i>Solanum linnaeanum</i> Hepper & E.Jaeger	gifappel	Worcester and Darling to KwaZulu-Natal	No change, rocky slopes and flats and roadsides						
STILBACEAE	<i>Halleria lucida</i> L.	tree fuschia	Gifberg to tropical Africa	No change, inland or coastal bush or forests						
THYMELAEACEAE	<i>Gnidia stypheloides</i> Meisn.		Humansdorp to E Cape	No change, lower and middle slopes						
THYMELAEACEAE	<i>Passerina corymbosa</i> Eckl. ex C.H.Wright	sandgannabos	Tulbagh to E Cape	No change, sandy, often disturbed flats and slopes						
THYMELAEACEAE	<i>Passerina rigida</i> Wikstr.	gonnabas	Cape Peninsula to KwaZulu-Natal	No change, coastal dunes						
THYMELAEACEAE	<i>Struthiola argentea</i> Lehm.		Hottentots Holland Mts and Montagu to E Cape	No change, coastal flats or slopes						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
Urticaceae	<i>Droguetia iners</i> (Forssk.) Schweinf.		Cape Peninsula to Indonesia	No change, coastal forest, scrub, and among rocks						
VISCACEAE	<i>Viscum obscurum</i> Thunb.		Touwsrivier to KwaZulu-Natal	No change, parasitic						
VITACEAE	<i>Cyphostemma cirrhosum</i> (Thunb.) Desc. ex Wild & R.B.Drumm.		Port Elizabeth to KwaZulu-Natal	No change, coastal bush						
VITACEAE	<i>Rhoicissus digitata</i> (L.f.) Gilg & M.Brandt		Betty's Bay to Mozambique	No change, coastal dunes						
VITACEAE	<i>Rhoicissus tomentosa</i> (Lam.) Wild & R.B.Drumm.		Knysna to Tanzania	No change, forests						
VITACEAE	<i>Rhoicissus tridentata</i> (L.f.) Wild & R.B.Drumm.		Riversdale to E Cape	No change, scrub						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMIC

Family	Species name	Common names	Distribution GM	Comments	Regional endemic	Regional and habitat endemic	Local endemic	Local and habitat endemic	>100km range and habitat endemic	Range extension
ZYGOPHYLLACEAE	Roepera maritima Sond.		Bredasdorp to Grahamstown	No change, coastal sands and limestone among scrub						

Monocotyledons										
AMARYLLIDACEAE	Boophone disticha (L.f.) Herb.		Robertson and Bredasdorp to tropical E Africa	No change, rocky slopes and flats						
AMARYLLIDACEAE	Brunsvigia gregaria R.A.Dyer		Humansdorp to E Cape	No change, clay soils						
AMARYLLIDACEAE	Cyrtanthus loddigesianus (Herb.) R.A.Dyer	grasveldlelie, sandlelie	Humansdorp to E Cape	No change, grassland or grassy fynbos in sandy soils						
AMARYLLIDACEAE	Scadoxus puniceus (L.) Friis & Nordal		Stilbaai to tropical Africa	No change, coastal bush						
ARACEAE	Zantedeschia aethiopica	arum, arum lily, calla lily, pig lily,	Richtersveld, Kamiesberg, Bokkeveld	No change, sandy or rocky						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

	(L.) Spreng.	varkblom	Mts to N Province	places, usually seasonally damp						
ASPARAGACEAE	<i>Asparagus aethiopicus</i> L.		Namaqualand to Transkei	No change, dry bush						
ASPARAGACEAE	<i>Asparagus africanus</i> Lam.		Saldanha to N KwaZulu-Natal	No change, moist places						
ASPARAGACEAE	<i>Asparagus asparagoides</i> (L.) Druce	breëblaarklimop, breëblaarkransie, krulkransie	Gifberg to Port Elizabeth to tropical Africa	No change, widespread in bush						
ASPARAGACEAE	<i>Asparagus racemosus</i> Willd.		Widespread	No change						
ASPARAGACEAE	<i>Asparagus virgatus</i> Baker		Widespread	No change						
ASPHODELACEAE	<i>Gasteria acinacifolia</i> (Jacq.) Haw.	bontaalwyn	Knysna to Port Alfred	No change, coastal dune thicket						
ASPHODELACEAE	<i>Kniphofia rooperi</i> (T.Moore) Lem.		KwaZulu Natal, E Cape	No change						
ASPHODELACEAE	<i>Trachyandra ciliata</i> (L.f.) Kunth	hotnotskool, wildeblomkool	Namibia to Grahamstown	No change, damp sandy coastal flats						
BEHNIACEAE	<i>Behnia reticulata</i> (Thunb.) Didr.	African Solomon's seal	Knysna to Zimbabwe	No change, forests and scrub						
COLCHICACEAE	<i>Colchicum eucomoides</i> (Jacq.) J.C.Manning & Vinnersten		Namaqualand to E Cape	No change, clay flats and slopes						
CYPERACEAE	<i>Bolboschoenus</i>	sedge, snygras,	Clanwilliam to tropical	No change, marshy flats near						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

	maritimus (L.) Palla	snyruigte	Africa, pantropical	water, mainly coastal							
CYPERACEAE	Carex aethiopica Schkuhr		Cape Peninsula to E Cape	No change, shady areas near water in forest							
CYPERACEAE	Cladium mariscus (L.) Pohl subsp. jamaicense (Crantz) Kuekenth.		sporadic throughout SA and nearly cosmopolitan	No change, marshy flats and watercourses							
CYPERACEAE	Cyperus longus L.	dooiwortel, waterbiesie, waterkweek	Clanwilliam to Avontuur, widespread in southern and tropical Africa	No change, damp flats and watercourses							
CYPERACEAE	Cyperus natalensis Hochst.		KwaZulu Natal	Southern extension of distribution							1
CYPERACEAE	Cyperus sphaerospermus Schrad.		Clanwilliam to Uitenhage, widespread in southern Africa	No change, marshes and watercourses							
CYPERACEAE	Cyperus thunbergii Vahl		Namaqualand to E Cape	No change, near water below 500m							
CYPERACEAE	Eleocharis limosa (Schrad.) Schult.		Namibia to Cape Peninsula to KwaZulu- Natal, Madagascar	No change, pools and marshes							
CYPERACEAE	Ficinia bulbosa (L.) Nees		Cedarberg Mts to E Cape	No change, strandveld, coastal and mountain fynbos							
CYPERACEAE	Ficinia capitella (Thunb.) Nees		W Karoo, Ceres to Caledon	Major eastern extension of distribution, flats and slopes below 1700m							1
CYPERACEAE	Ficinia dunensis Levyns		Cedarberg Mts to Port	No change, coastal dunes or						1	

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

			Elizabeth	mountain slopes, Cape endemic						
CYPERACEAE	<i>Ficinia indica</i> (Lam.) Pfeiffer	knoppiesbiesie	Namaqualand to E Cape	No change, flats and lower slopes						
CYPERACEAE	<i>Ficinia lateralis</i> (Vahl) Kunth		Cape Peninsula to E Cape	No change, coastal dunes						
CYPERACEAE	<i>Ficinia nodosa</i> (Rottb.) Goetgh.	steekbiesie, vleibiesie	Namaqualand to KwaZulu-Natal and widespread in S hemisphere	No change, damp sandy flats and coastal areas to 250m						
CYPERACEAE	<i>Ficinia ramosissima</i> Kunth		Cape Peninsula to E Cape	No change, lower slopes and rock crevices in shade						
CYPERACEAE	<i>Fuirena coerulescens</i> Steud.		Cape Peninsula to northern SA	No change, marshy flats and lower slopes below 100m						
CYPERACEAE	<i>Fuirena hirsuta</i> (P.J.Bergius) P.L.Forbes		Namaqualand to Mpumalanga	No change, marshy flats and watercourses on lower slopes to 1000m						
CYPERACEAE	<i>Isolepis cernua</i> (Vahl) Roem. & Schult.		Cape Peninsula to Port Elizabeth, cosmopolitan	No change, marshes and watercourses						
CYPERACEAE	<i>Isolepis marginata</i> (Thunb.) A.Dietr.		Namaqualand to E Cape, also Australia	No change, dunes, flats and slopes in seasonally damp sandy soil						
CYPERACEAE	<i>Isolepis prolifera</i> R.Br.		Namaqualand to KwaZulu-Natal, Australasia, St. Helena	No change, streamsides and seeps below 1000m						
CYPERACEAE	<i>Isolepis rubicunda</i> Kunth		Langebaan to Cape	Major eastern extension of distribution, seasonal pools on						1

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

			Peninsula	flats or lower slopes, SW coast endemic						
CYPERACEAE	<i>Neesenbeckia punctoria</i> (Vahl) Levyns		Cape Peninsula to Caledon	Major eastern extension of distribution, streamsides on lower slopes to 800m, SW Cape endemic						1
CYPERACEAE	<i>Scirpoides thunbergii</i> (Schrad.) Soják	steekbiesie	Cape Peninsula to E Cape	No change, damp flats near coast up to 300m						
CYPERACEAE	<i>Tetraria brachyphylla</i> Levyns		Cape Peninsula to Plettenberg Bay	Eastern extension of distribution, coastal dunes endemic						1
CYPERACEAE	<i>Tetraria bromoides</i> (Lam.) Pfeiffer	bergpalmiet	Porterville to Cape Peninsula to Uitenhage	No change, mountain fynbos endemic						1
CYPERACEAE	<i>Tetraria cuspidata</i> (Rottb.) C.B. Clarke		Cedarberg Mts to Cape Peninsula to Mpumalanga	No change, mountain slopes						
DIOSCOREACEAE	<i>Dioscorea sylvatica</i> (Kunth) Eckl.	elephants foot, hottentotsbrood	Plettenberg Bay to tropical Africa	No change, bush or forest						
HAEMODORACEAE	<i>Wachendorfia paniculata</i> Burm.	koffiepit, rooikanol, spinnekopblom	Bokkeveld Mts to Port Elizabeth	No change, sandstone soils, Cape endemic						
HEMEROCALLIDACEAE	<i>Caesia contorta</i> (L.f.) T. Durand & Schinz	sokkiesblom	Namaqualand to Stutterheim	No change, sandstone slopes						
HYACINTHACEAE	<i>Albuca cooperi</i> Baker	blougif, geldbeursie	Richtersveld and W Karoo to Cape Peninsula to Willowmore	Slight south eastern extension of distribution, stony, mostly slopes and flats, sometimes limestone						1

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

HYACINTHACEAE	<i>Drimia hesperantha</i> J.C.Manning & Goldblatt		Du Toitskloof to De Hoop	Major eastern extension of distribution, rocky slopes and flats, endemic						1	1
HYACINTHACEAE	<i>Ornithogalum graminifolium</i> Thunb.		W Karoo and Bokkeveld Mts to KwaZulu-Natal	No change, stony clay flats and slopes, often moist sites							
IRIDACEAE	<i>Aristea ecklonii</i> Baker		Humansdorp to Uganda and Cameroon	No change, coastal and montane, mostly forest margins							
IRIDACEAE	<i>Chasmanthe aethiopica</i> (L.) N.E.Br.	kleinpiempiempie, suurkanolpypie	Darling to E Cape	No change, hills and flats on granite, sandstone, or shale, mainly coastal in bush or forest margins							
IRIDACEAE	<i>Gladiolus floribundus</i> Jacq.		Cedarberg Mts to Alexandria	No change, coastal and montane on sandstone and granite							
IRIDACEAE	<i>Gladiolus wilsonii</i> (Baker) Goldblatt & J.C.Manning		Humansdorp to E Cape	No change							
IRIDACEAE	<i>Melasphaerula ramosa</i> (L.) N.E.Br.	baardmannetjie, bokbaardjie, feëklokkie	S Namibia to De Hoop and Swartberg Mts	Eastern extension of distribution, mostly sheltered sites on sandstone or limestone slopes							1
IRIDACEAE	<i>Moraea elliotii</i> Baker		Mossel Bay to Malawi	No change, grassy sandstone slopes							
IRIDACEAE	<i>Moraea setifolia</i> (L.f.) Druce	basterbloutulp, bokuintjie, knikkertjies, papieruintjie	Namaqualand to Grahamstown	No change, sandy and gravelly flats and slopes							
IRIDACEAE	<i>Romulea rosea</i> (L.)	froetang, frutang, knikker,	Bokkeveld Mts to Port	No change, sandy and clay						1	

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

	Eckl.	knikkertjie, rooiknikkertjie	Elizabeth and W Karoo	slopes and flats, endemic						
IRIDACEAE	<i>Tritoniopsis caffra</i> (Ker Gawl. ex Baker) Goldblatt		Heidelberg to East London	No change, sandstone slopes						
IRIDACEAE	<i>Watsonia angusta</i> Ker Gawl.	patryskos, rooikanolpypie	Cedarberg Mts to S KwaZulu-Natal	No change, montane marshes and stream banks in fynbos						
JUNCACEAE	<i>Juncus capensis</i> Thunb.		Clanwilliam to E Cape	No change, damp flats and lower slopes						
JUNCACEAE	<i>Juncus kraussii</i> Hochst. subsp. <i>kraussii</i>	biesie, rush	Cape Peninsula to Mozambique, Australia, S America	No change, saline marshes						
JUNCACEAE	<i>Juncus lomatophyllus</i> Spreng.		Clanwilliam to Zimbabwe	No change, streamsides, marshes and seeps						
JUNCAGINACEAE	<i>Triglochin striata</i> Ruiz & Pav.		Clanwilliam to E Cape and more or less worldwide	No change, marshes and seeps						
LANARIACEAE	<i>Lanaria lanata</i> (L.) T.Durand & Schinz	Cape eidelweiss, kapokblom, perdekapok	Bainskloof to E Cape	No change, clay and sandstone slopes						
ORCHIDACEAE	<i>Acrolophia cochlearis</i> (Lindl.) Schltr. & Bolus		Bredasdorp to KwaZulu-Natal	No change, rocky grassland						
ORCHIDACEAE	<i>Bonatea speciosa</i> (L.f.) Willd. var. <i>speciosa</i>	moederkappie, Oktoberlelie	Yzerfontein to Zimbabwe	No change, coastal scrub and forest margins						
ORCHIDACEAE	<i>Disa chrysostachya</i> Sw.		Knysna to N Province	No change, damp or marshy						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

				grassland						
ORCHIDACEAE	<i>Eulophia speciosa</i> (R.Br. ex Lindl.) Bolus		Wilderness to tropical Africa	No change, coastal bushveld						
ORCHIDACEAE	<i>Holothrix villosa</i> Lindl.	wollie	Richtersveld and W Karoo to E Cape	No change, sandstone and granite slopes						
ORCHIDACEAE	<i>Satyrium hallackii</i> Bolus subsp. <i>hallackii</i>		Cape Peninsula to Betty's Bay, Port Elizabeth to N Province	No change, coastal flats and inland marshes						
ORCHIDACEAE	<i>Satyrium</i> <i>membranaceum</i> Sw.		Swellendam to E Cape and Lesotho	No change, grassy slopes						
ORCHIDACEAE	<i>Satyrium parviflorum</i> Sw.		Mossel Bay to N Province	No change, sandy flats and marshy grassland						
ORCHIDACEAE	<i>Satyrium princeps</i> Bolus	rootrewwa	Wilderness to Port Elizabeth	No change, coastal dune and SE coast endemic					1	
POACEAE	<i>Cynodon dactylon</i> (L.) Pers.	Bermuda grass, couch, fine quick grass, fynkweek, gewone kweekgras	throughout Africa	No change, mountains and flats						
POACEAE	<i>Ehrharta calycina</i> Sm.	common ehrharta, polgras, rooigras, rooisaadgras	Namaqualand to KwaZulu-Natal	No change, flats and slopes						
POACEAE	<i>Ehrharta erecta</i> Lam.		Cape Peninsula to E Africa	No change, shady habitats, often weedy						
POACEAE	<i>Ehrharta villosa</i> Schult.f.	pypgras	St. Helena Bay to Port	No change, coastal dune and SE					1	

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

	var. maxima		Elizabeth	coast endemic						
POACEAE	Ehrharta villosa Schult.f. var. villosa	pypgras	St. Helena Bay to Port Elizabeth	No change, coastal dune and SE coast endemic						1
POACEAE	Imperata cylindrica (L.) Raeuschel	beddinggras, cotton-wool grass, donsgras, silwergaargras, sygras	tropical African weed	No change, wet habitats						
POACEAE	Melica decumbens Thunb.		Widespread in S Africa	No change						
POACEAE	Merxmuellera cincta (Nees) Conert subsp. sericea N.P.Barker		Olifants River Mts to E Cape	No change, streamsides						
POACEAE	Panicum maximum Jacq.	Guinea grass, purple-top buffalo	Cape Peninsula to tropical Africa	No change, shady places						
POACEAE	Pentaschistis pallida (Thunb.) H.P.Linder	duinegras, haasgras	Namaqualand to E Cape	No change, slopes and flats						
POACEAE	Phragmites australis (Cav.) Trin. ex Steud.	common reed, fluitjiesriet	worldwide	No change, marshes, streams and seeps						
POACEAE	Polypogon strictus Nees		Saldanha to E Cape	No change, wet places						
POACEAE	Setaria sphacelata (Schum.) Stapf & C.E.Hubb. ex Moss var. Sphacelata	bristle grass, golden timothy, kanariegras	Cape Peninsula to tropical Africa	No change, disturbed areas						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

POACEAE	<i>Sporobolus virginicus</i> (L.) Kunth	brakgras, brakkweek, sea rush grass	worldwide	No change, dunes, beaches and coastal marshes						
POACEAE	<i>Stenotaphrum secundatum</i> (Walter) Kuntze	buffalo grass, buffelsgras, kweekgras	Cape Peninsula to pantropical	No change, sandy coastal slopes and flats						
POACEAE	<i>Themeda triandra</i> Forssk.	red grass, rooigras	throughout tropical Africa and Asia	No change, grassland						
POACEAE	<i>Tribolium hispidum</i> (Thunb.) Desv.	haasgras	Namaqualand to E Cape	No change, flats and slopes						
POTAMOGETONACEAE	<i>Potamogeton pusillus</i> L.	fonteingras, fonteinkruid	Africa and N hemisphere	No change, fresh water						
RESTIONACEAE	<i>Elegia microcarpa</i> (Kunth) Pillans		Melkbos to Port Elizabeth	No change, coastal dune and limestone endemic					1	
RESTIONACEAE	<i>Hypodiscus striatus</i> (Kunth) Mast.		Namaqualand to Port Elizabeth	No change						
RESTIONACEAE	<i>Ischyrolepis eleocharis</i> (Nees ex Mast.) H.P.Linder	katstert, katsterriet	Cape Peninsula to Port Elizabeth	No change, coastal dune and limestone endemic					1	
RESTIONACEAE	<i>Ischyrolepis leptoclados</i> (Mast.) H.P.Linder	besemriet	Betty's Bay to Knysna	Major eastern extension of distribution, coastal dunes endemic					1	
RESTIONACEAE	<i>Restio triticeus</i> Rottb.	besemgoed, besemriet, kanet	Malmesbury to E Cape	No change, habitat?						
RESTIONACEAE	<i>Thamnochortus</i>	besemriet	Tulbagh to KwaZulu-	No change, habitat?						

APPENDIX 4.3.3. DISTRIBUTION OF SPECIES RECORDED AT THYSPUNT: ENDEMICS

	fruticosus P.J.Bergius		Natal							
TYPHACEAE	Typha capensis (Rohrb.) N.E.Br.	bulrush, matjiesgoed, papkui	southern and tropical Africa	No change, stream banks and marshes						
TOTAL					0	3	0	1	44	24

APPENDIX 4.3.4. CALCULATION OF RARITY & SENSITIVITY AT THYSPUNT

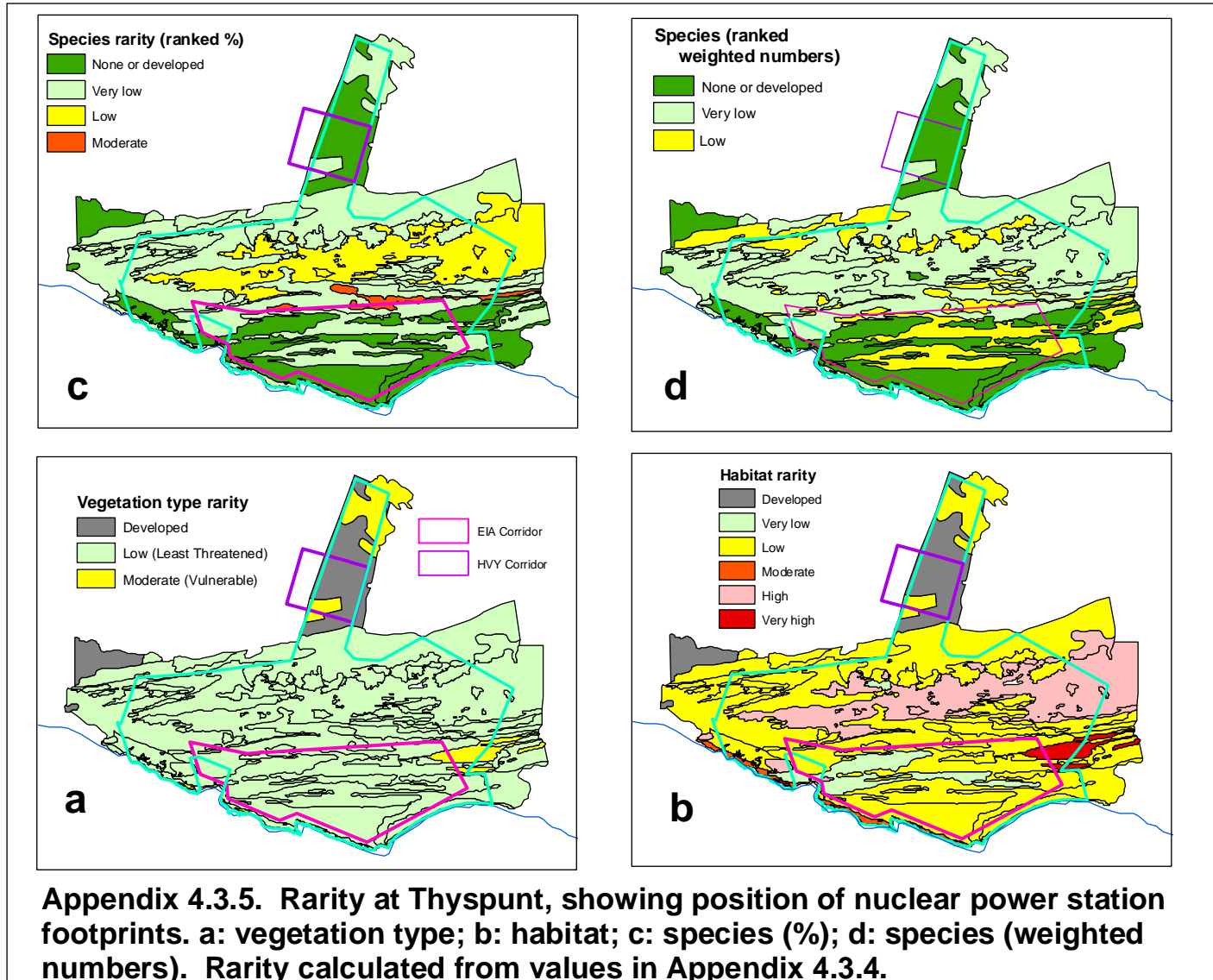
Plant community no.	Description	Vegetation type	Rarity										Sensitivity					
			Conservation status	No. red data species	Veg type	Habitat	% RD species	Species rarity rating	Weighted species rarity	Weighted class	Overall rarity rating	Rarity class	Erosion	Fire	Droughting	Resilience	Total sensitivity	Sensitivity class
T1	Rocky shore vegetation: shallow calcareous sand over sandstone	Cape Seashore Vegetation	LT	2	1	3	3.2	1	4	1	12	3	3	2	2	3	19	3
T2	Primary dune vegetation at coast	Cape Seashore Vegetation	LT	0	1	2	0.0	0	0	0	8	2	5	1	1	4	24	4
T3	Dune fynbos on inland transverse dunes	Southern Cape Dune Fynbos	LT	2	1	4	6.3	2	4	1	15	3	4	2	2	4	24	4
T4	Dwarf dune thicket on calcareous sands of ;parabolic dunes near coast	Algoa Dune Strandveld	LT	0	1	2	0.0	0	0	0	8	2	3	1	1	2	14	3
T5	Tall dune thicket on calcareous sands of parabolic dunes in middle of site	Algoa Dune Strandveld	LT	1	1	2	2.3	1	4	1	9	2	3	2	2	2	16	3
T6	Dune forest on	Algoa Dune	LT	1	1	4	2.4	1	3	1	15	3	3	3	2	5	26	4

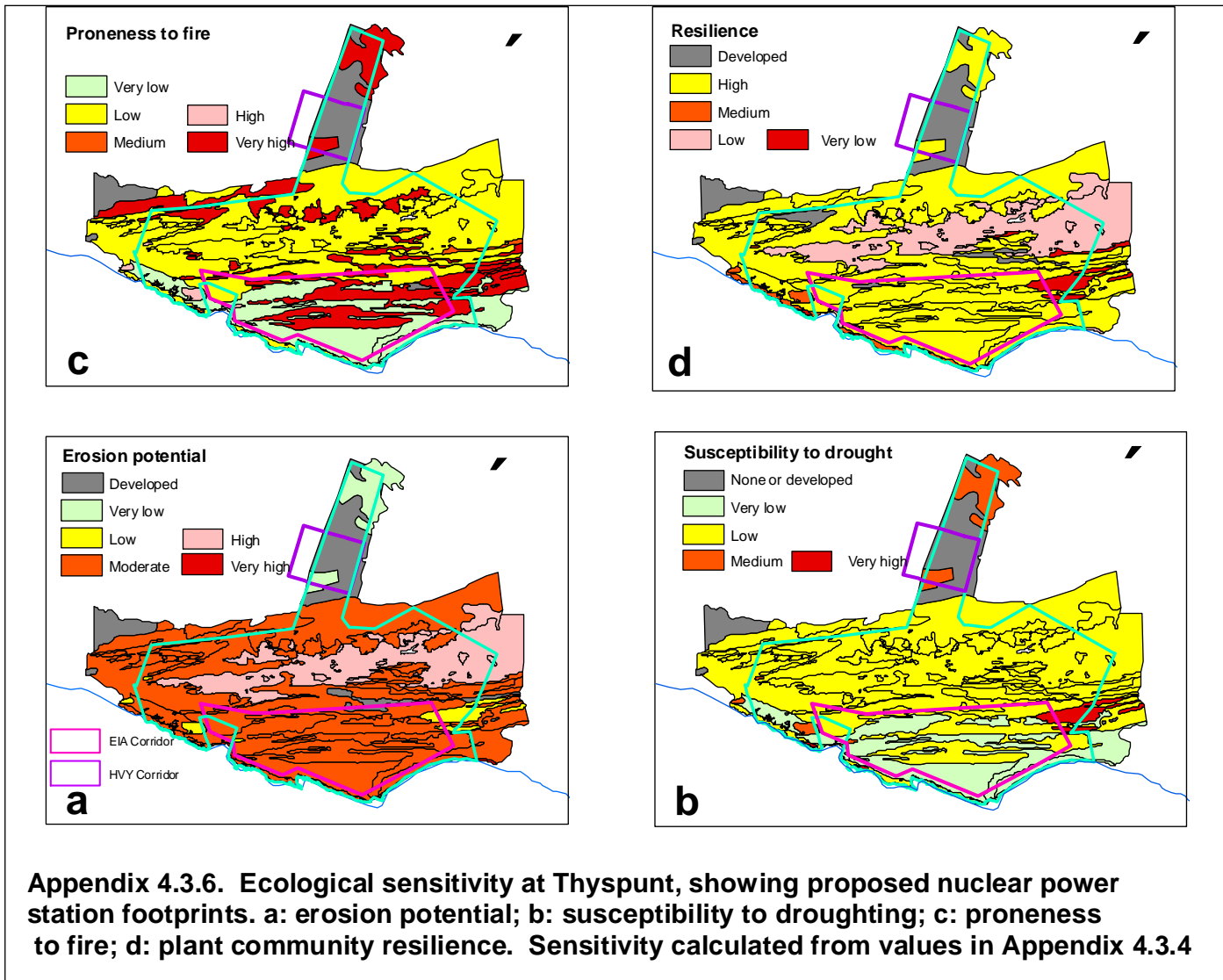
APPENDIX 4.3.4. CALCULATION OF RARITY & SENSITIVITY AT THYSPUNT

Plant community no.	Description	Vegetation type	Rarity										Sensitivity					
			Conservation status	No. red data species	Veg type	Habitat	% RD species	Species rarity rating	Weighted species rarity	Weighted class	Overall rarity rating	Rarity class	Erosion	Fire	Droughting	Resilience	Total sensitivity	Sensitivity class
	calcareous sands of inland parabolic dunes	Strandveld (Southern Coastal Forest)	(LT)															
T7	Dune fynbos on calcareous sands of parabolic dunes near coast	Southern Cape Dune Fynbos	LT (LT)	5	1	2	3.5	1	17	2	10	2	3	5	2	2	19	3
T8	Fynbos on limestone near coast	Algoa Dune Strandveld (no equivalent, but has links with Southern Cape Dune Fynbos)	LT (LT)	4	1	4	5.4	2	10	1	15	3	2	4	3	3	20	3
T9	Mountain fynbos on inland sandstone	Tsitsikamma Sandstone Fynbos	V	1	2	2	2.0	1	2	1	11	3	1	5	3	2	16	3
T10A	Wetland at coast above high-water mark	Cape Seashore Vegetation	LT	1	1	5	1.9	1	3	1	18	4	3	3	5	5	29	4
T10B	Wetland in dune slack near coast (Langefontein)	Algoa Dune Strandveld (Cape Lowland Freshwater Wetlands)	LT (V)	0	2	5	0.0	0	0	0	19	4	2	5	5	5	29	4

APPENDIX 4.3.4. CALCULATION OF RARITY & SENSITIVITY AT THYSPUNT

Plant community no.	Description	Vegetation type	Rarity										Sensitivity					
			Conservation status	No. red data species	Veg type	Habitat	% RD species	Species rarity rating	Weighted species rarity	Weighted class	Overall rarity rating	Rarity class	Erosion	Fire	Droughting	Resilience	Total sensitivity	Sensitivity class
T10C	Wetland on inland transverse dunes	Algoa Dune Strandveld (Cape Lowland Freshwater Wetlands)	LT (V)	3	2	5	7.0	2	8	1	20	4	5	3	5	5	33	5
T10D	Wetland on northern edge of inland transverse dunes	Southern Cape Dune Fynbos (Algoa Dune Strandveld) (Cape Lowland Freshwater Wetlands)	LT (LT) (V)	1	2	5	2.9	1	3	1	20	4	5	4	5	5	34	5
T10E	Wetland in middle of Slangrivier system	Algoa Dune Strandveld (Cape Lowland Freshwater Wetlands)	LT (V)	3	1	5	7.1	2	8	1	18	4	5	5	5	5	35	5
T10F	Streamline on lower Slangrivier system	Tsitsikamma Sandstone Fynbos (Cape Lowland Freshwater Wetlands)	V (V)	0	2	5	0.0	0	0	0	19	4	5	5	5	5	35	5
T10G	Wetland on lower Slangrivier system	Tsitsikamma Sandstone Fynbos (Cape Lowland Freshwater Wetlands)	V (V)	0	2	5	0.0	0	0	0	19	4	5	5	5	5	35	5





APPENDIX 7.1.1. IMPACT ASSESSMENT CRITERIA AND RATING SCALES

Appendix 7.1.1. Impact assessment criteria and rating scales	
Criteria	Rating Scales
Cumulative impacts (incremental impacts of the activity and other past, present and future activities on a common resource)	<ul style="list-style-type: none"> • Low (there is significant capacity of the environmental resources within the geographic area to respond to change and withstand further stress) • Medium (the capacity of the environmental resources within the geographic area to respond to change and withstand further stress is reduced) • High (the capacity of the environmental resources within the geographic area to respond to change and withstand further stress has been or is close to being exceeded)
Nature	<ul style="list-style-type: none"> • Positive • Negative • Neutral
Extent (the spatial limit of the impact)	<ul style="list-style-type: none"> • Local (site-specific and/or immediate surrounding areas) • Regional (provincial) • National or beyond
Intensity (the severity of the impact)	<ul style="list-style-type: none"> • Low (where the impact affects the environment in such a way that natural, cultural and social functions and processes are minimally affected) • Medium (where the affected environment is altered but natural, cultural and social functions and processes continue albeit in a modified way; and valued, important, sensitive or vulnerable systems or communities are negatively affected) • High (where natural, cultural or social functions and processes are altered to the extent that the impact will temporarily or permanently cease; and valued, important, sensitive or vulnerable systems or communities are substantially affected)
Duration (the predicted lifetime of the impact)	<ul style="list-style-type: none"> • Short-term (0 to 5 years) • Medium term (6 to 15 years) • Long term (16 to 30 years where the impact will cease after the operational life of the activity either because of natural processes or by human intervention) • <u>Permanent</u>

Appendix 7.1.1 (contd.)	
Criteria	Rating Scales
<p>Consequence (a combination of intensity, extent and duration)</p>	<ul style="list-style-type: none"> • High <ul style="list-style-type: none"> ○ High intensity at a regional level and endure in the long term ○ High intensity at a national level and endure in the medium term ○ Medium intensity at a national level and endure in the long term ○ High intensity at a regional level and endure in the medium term ○ High intensity at a national level and endure in the short term ○ Medium intensity at a national level and endure in the medium term ○ Low intensity at a national level and endure in the long term ○ High intensity at a local level and endure in the long term ○ Medium intensity at a regional level and endure in the long term • Medium <ul style="list-style-type: none"> ○ High intensity at a local level and endure in the medium term ○ Medium intensity at a regional level and endure in the medium term ○ High intensity at a regional level and endure in the short term ○ Medium intensity at a national level and endure in the short term ○ Medium intensity at a local level and endure in the medium term ○ Medium intensity at a local level and endure in the long term ○ Low intensity at a national level and endure in the medium term ○ Low intensity at a regional level and endure in the long term • Low <ul style="list-style-type: none"> ○ Low intensity at a regional level and endure in the medium term ○ Low intensity at a national level and endure in the short term ○ High intensity at a local level and endure in the short term ○ Medium intensity at a regional level and endure in the short term ○ Low intensity at a local level and endure in the long term ○ Low intensity at a local level and endure in the medium term ○ Low intensity at a regional level and endure in the short term ○ Low to medium intensity at a local level and endure in the short term
<p>Probability (the likelihood of the impact occurring)</p>	<ul style="list-style-type: none"> • Improbable (where the impact is unlikely to occur) • Possible (where the possibility of the impact occurring is very low) • Probable (where there is a good probability (< 50 % chance) that the impact will occur) • Highly probable (where it is most likely (50-90 % chance) that the impact will occur) • Definite (where the impact will occur regardless of any prevention) measures (> 90 % chance of occurring)

Appendix 7.1.1 (contd.)	
Criteria	Rating Scales
<p>Significance (the consequence of the impact occurring coupled with the likelihood of the impact occurring)</p>	<ul style="list-style-type: none"> • Insignificant <ul style="list-style-type: none"> ○ very low consequence and improbable ○ very low consequence and possible • Very Low <ul style="list-style-type: none"> ○ very low consequence and possible ○ very low consequence and definite ○ low consequence and improbable ○ low consequence and possible • Low <ul style="list-style-type: none"> ○ low consequence and possible ○ low consequence and definite ○ medium consequence and improbable ○ medium consequence and possible • Medium <ul style="list-style-type: none"> ○ medium consequence and possible ○ medium consequence and definite ○ high consequence and improbable • High <ul style="list-style-type: none"> ○ high consequence and possible ○ high consequence and definite ○ very high consequence and improbable • Very High <ul style="list-style-type: none"> ○ very high consequence and possible ○ very high consequence and improbable ○ very high consequence and possible
<p>Reversibility (ability of the impacted environment to return to its pre-impacted state once the cause of the impact has been removed)</p>	<ul style="list-style-type: none"> • Low (impacted natural, cultural or social functions and processes will return to their pre-impacted state within the short-term) • Medium (impacted natural, cultural or social functions and processes will return to their pre-impacted state within the medium to long term) • High (impacted natural, cultural or social functions and processes will be permanent).
<p>Impact on irreplaceable¹ resources (is an irreplaceable resource impacted upon)</p>	<ul style="list-style-type: none"> • Yes • No
<p>Confidence level (the specialist's degree of confidence in the predictions and/or the information on which it is based)</p>	<ul style="list-style-type: none"> • Low • Medium • High

¹ A resource for which no reasonable substitute exists, such as Red Data species and their habitat requirements

APPENDIX 7.2. EXPLANATION OF RED DATA SPECIES CATEGORIES

Go To Link [UCN Red List Categories and Criteria: Version 3.1 - redlist en cov](#)