

## PROPOSED POSITION : BOTANICAL SPECIALIST

<b>Company:</b>	COASTEC
<b>Name:</b>	BARRIE LOW
<b>Nationality:</b>	South African
<b>Profession</b>	Plant ecologist and conservation planner
<b>Position</b>	Owner
<b>Date of Birth</b>	21.2.52
<b>Specialisation</b>	Botanical and ecological assessment of both dryland (terrestrial) and riverine/wetland ecosystems; contextual analysis; conservation prioritisation; conservation network planning and corridor ecological implementation; environmental impact assessment; rehabilitation studies
<b>Start date with Coastec</b>	1997
<b>Experience:</b>	30 years

### Qualifications and positions:

- Bachelor of Science in Botany and Zoology : University of Cape Town, 1973/4
- Bachelor of Science (Honours) in Botany : University of Cape Town, 1975
- Master of Science in Botany (Plant Ecology) : University of Cape Town, 1984
- Stellenbosch School of Business business course – 1995
- Past Director: National Botanical Institute (1991 – 1997)
- Past senior lecture at Botany Department, University of Western Cape (1978 – 1991)

### Membership of Professional Institutions:

- Professional Member, South African Institute of Ecologists and Environmental Scientists
- Past Board member and Director, Cape West Coast Biosphere Reserve
- Past Chairman of Western Cape Branch of Wildlife Society
- Past Council Member of the Botanical Society of SA
- Past Chairman of Conservation Committee, South Africa Association of Botanists

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**Mr. Barrie Low** holds a M.Sc. in Plant Ecology. He is owner and sole proprietor of Coastec, with 30 years in the botanical and environmental assessment fields. Barrie specialises in botanical and ecological assessments in dryland (terrestrial), riverine and wetland systems, with strong focus on coastal dune and related systems. Due to scale limitations in current approaches to conservation assessments, a key focus has been the determination of site distinctiveness and rarity using flora as a surrogate for habitat; to this end Coastec has developed SaSFlora, a major regional database for the Cape and Karoo floras, for such analysis. This approach is linked with ArcView mapping and analysis of ecosystems. Coastec specialises in developing conservation plans, in particular for areas which have been severely impacted by urban and allied development. Part of this approach is the implementation of ecological corridors linking remnants and riverine/wetland systems

Studies include the Northern Sandveld rivers reserve and ecological impact study, conservation assessments and planning for the Witzenberg Municipality and Cape Winelands District Management Area, with coastal contextual studies including the Laaiplek (Elandsbaai to Saldanha) Coast), Hawston (Agulhas to Kogelberg) areas and coastal dunes of the City of Cape Town, Koeberg and the Portnet ore-loading facility at Saldanha..

Barrie is a past director at the National Botanical Institute (now SANBI), past Director on the board of the Cape West Cost Biosphere, and past chairman of the Western Cape Branch of the Wildlife Society, and Council member of the Botanical Society of SA

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### Relevant Project Experience:

- Project specialist – Laaiplek subregional dune study
- Project specialist – Cape Winelands District Management Area conservation assessment
- Project specialist and leader – City of Cape Town coastal dunes study
- Project leader – Hawston fynbos corridor and conservation planning study

CV for the learner can only be supplied once the project go-ahead is given and a learner can be sourced from UWC (in liaison with Dr Richard Knight of the Conservation Biology department)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_