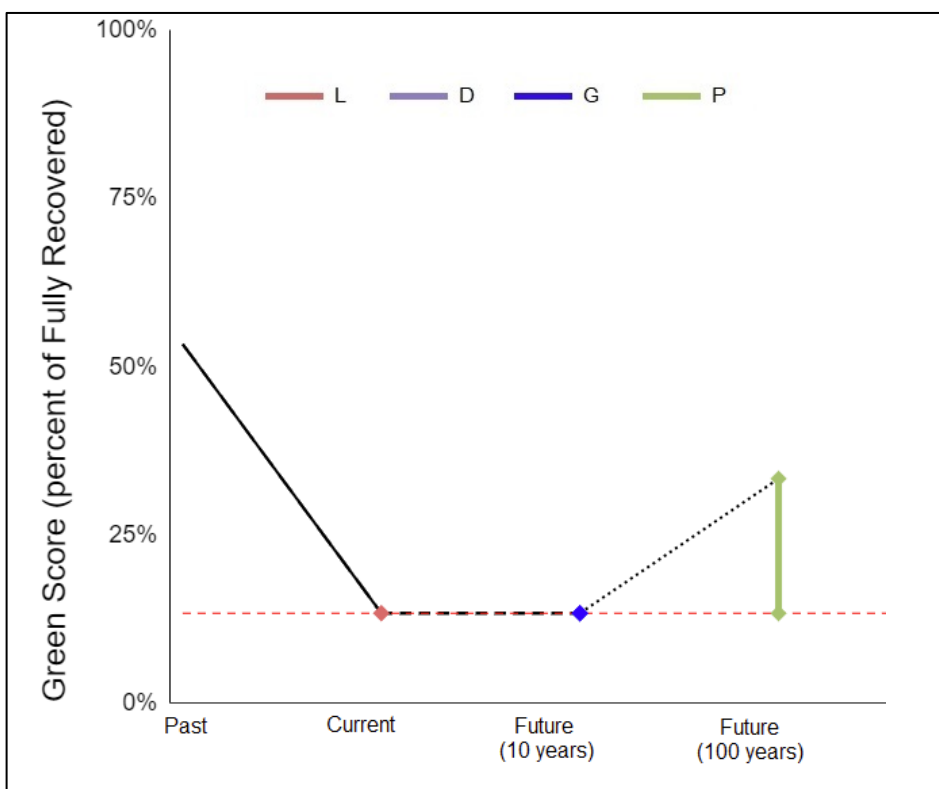


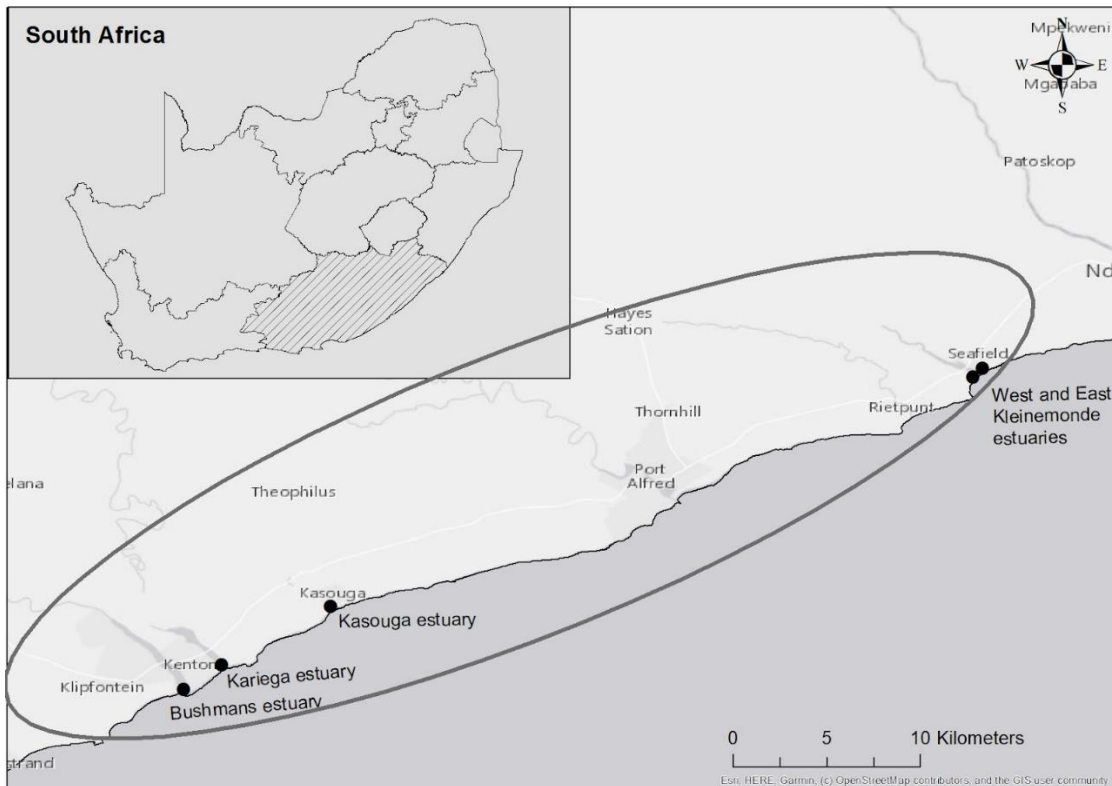


# Green Status of Species: Supplementary information

## Estuarine Pipefish (*Syngnathus watermeyerii*)



**Figure S1.** Graphical representation of the conservation metrics based on the Green Scores. Key: Vertical arrows represent the four conservation metrics: L – Conservation Legacy (may not appear if current and counterfactual states are the same); D – Conservation Dependence (may not appear if current and future-without-conservation states are the same); G – Conservation Gain (may not appear if current and future-with-conservation states are the same); P – Recovery Potential (may not appear if current and potential states are the same). The horizontal red dashed line represents the Current Green Score. Solid black line: observed change in the Green Score of the species (ignore it if "Former" state is not specified). Long-dashed black line: (counterfactual) past change expected in the absence of past conservation efforts. Dashed black lines: future scenarios of change expected with and without current and future conservation efforts. Dotted black line: long-term potential change expected with future conservation innovation and efforts.



**Figure S2.** The historic range of the Estuarine Pipefish which includes five estuaries along the southeastern coast of South Africa. Recent research (Claassens *et al.* 2022, Nester *et al.* 2023) concluded that *S. watermeyerii* is currently only found in the Bushmans (Boesmans) and Kariega estuaries. Map by L. Claassens.

## References

- Claassens, L., de Villiers, N.M., Seath, J. and Wasserman, J. 2022. Distribution and density of the Critically Endangered estuarine pipefish across its range—implications for conservation. *Aquatic Conservation: Marine and Freshwater Ecosystems* 32(1): 28–41.
- Nester, G.M., Heydenrych, M.J., Berry, T.E., Richards, Z., Wasserman, J., White, N.E., De Brauwer, M., Bunce, M., Takahashi, M. and Claassens, L. 2023. Characterizing the distribution of the critically endangered estuarine pipefish (*Syngnathus watermeyerii*) across its range using environmental DNA. *Environmental DNA* 5(1): 132–145.

**Appendix 1. Assessor Self-Review**

- 1. Disclose any potential conflicts of interest which could bias the assessment.**

None

- 2. Is there any discrepancy between this assessment and the Red List assessment for the species? If so, comment on the likely reason for this discrepancy.**

None

- 3. Review the impact that you assigned to the various threats and conservation actions. Would the trajectory of the species be very different if other choices were made? If so, review your justification for these choices. If appropriate, widen the bounds on tabs 4 and 5-8 (change the lower and upper plausible values) to reflect the uncertainty introduced by the possibility of these other choices. How, if at all, did this review question cause this assessment to change? If no changes were needed, please write "no changes".**

No changes