RESTORATION SCIENCE

by Jason Stevens and Colin Yates

Restoration science provides the knowledge to underpin cost-effective and scalable practices across all terrestrial and marine vegetation types and disturbed systems. The approaches developed can be applied to single species plant translocations and whole plant community restoration projects. This science involves integration of the disciplines of taxonomy, genetics, seed science, biotechnology, ecology, ecophysiology and pollination biology. DBCA scientists also collaborate with other researchers who provide engineering and soil science solutions.

Restoration science is informing restoration work at Kings Park and Bold Park and across other DBCA-managed lands and waters, as well as providing guidance to a range of stakeholders, including mining companies. The research demonstrates that by systematically understanding the biology of various plant systems we can provide restoration solutions for plant species and complex biodiverse community programs, such as banksia woodlands and banded iron formation threatened ecological communities.