Islands of Information: weeds in New Zealand

Weeds are a major conservation problem on the New Zealand archipelago. The government's conservation agency, the Department of Conservation (DOC), has recently implemented a National Weeds database to capture and synthesise diverse biological information.

Until recently, information was dispersed in filing cabinets, reports, personal databases, manuals, books, the internet and in people's heads.

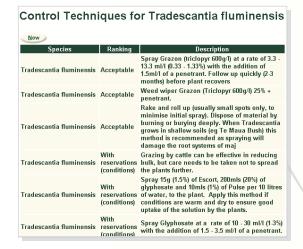
Information weed managers need to know is

What species are they?
Where are they?
How do we manage them?

The National Weeds database allows information to be entered, edited and viewed by staff through the DOC intranet using web browsers in the many isolated DOC offices. Adopting innovative web technologies makes the application easy to use. Importantly, regional staff can instantly see their own data as part of the national set and can learn from other people's data.

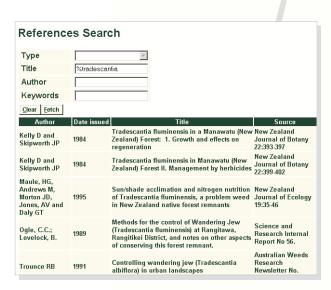
The structure and relational aspects of the database are built around species, observations and control techniques yet the use of these data is not restricted to a species focus. Information can be retrieved to support DOC's innovative approach to weed management; i.e. weed-led and site-led programmes.

How do we manage it?



People repeatedly trialed the same suite of control techniques, or continued to use ineffective ones. For example:

Trials showed that *Tradescantia fluminensis* is best controlled by triclopyr. Despite a published report some staff used less effective methods. The database provides instant access to the best methods of control for many species.





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Weediness score

Confused species Alt. Names

Contact Clear Save As Save Delete Clayson First Name СЈН Initials Where is it? Last Name Howell 59 Boulcott St. P.O. Box 10420 Wellington Address 04 4713113 Fax Nu VPN Email Organisation | Active Created: chowell 26/04/2001 15:59:24 Updated: chowell 26/04/2001 15:59:24 Distribution of Tradescantia fluminensis

Lessons for database builders

- Maintain data standards through tight controls on data entry. Appointing a data administrator is a good idea.
- Allow for improvements; there is always a better way to manage data.
- Train users of the database so they are comfortable with using it.
- Cost and time may amount to more than you think.
- Promote the database and its use.

Conclusions

- Through the process of data capture, gaps in knowledge can be identified and remedied.
- The database provides the means to secure and view data that might otherwise have been lost or be unavailable under dispersed systems.
- Maps of weed distributions provide the means to educate DOC staff and the public about weed problems.
- There were islands of information already; now there is a central information source instantly accessible from isolated parts of New Zealand.

