



Kent Prior & Emily Gonzales
Parks Canada

engaging

*Co-developed, Inclusive,
Diverse perspectives*

efficient

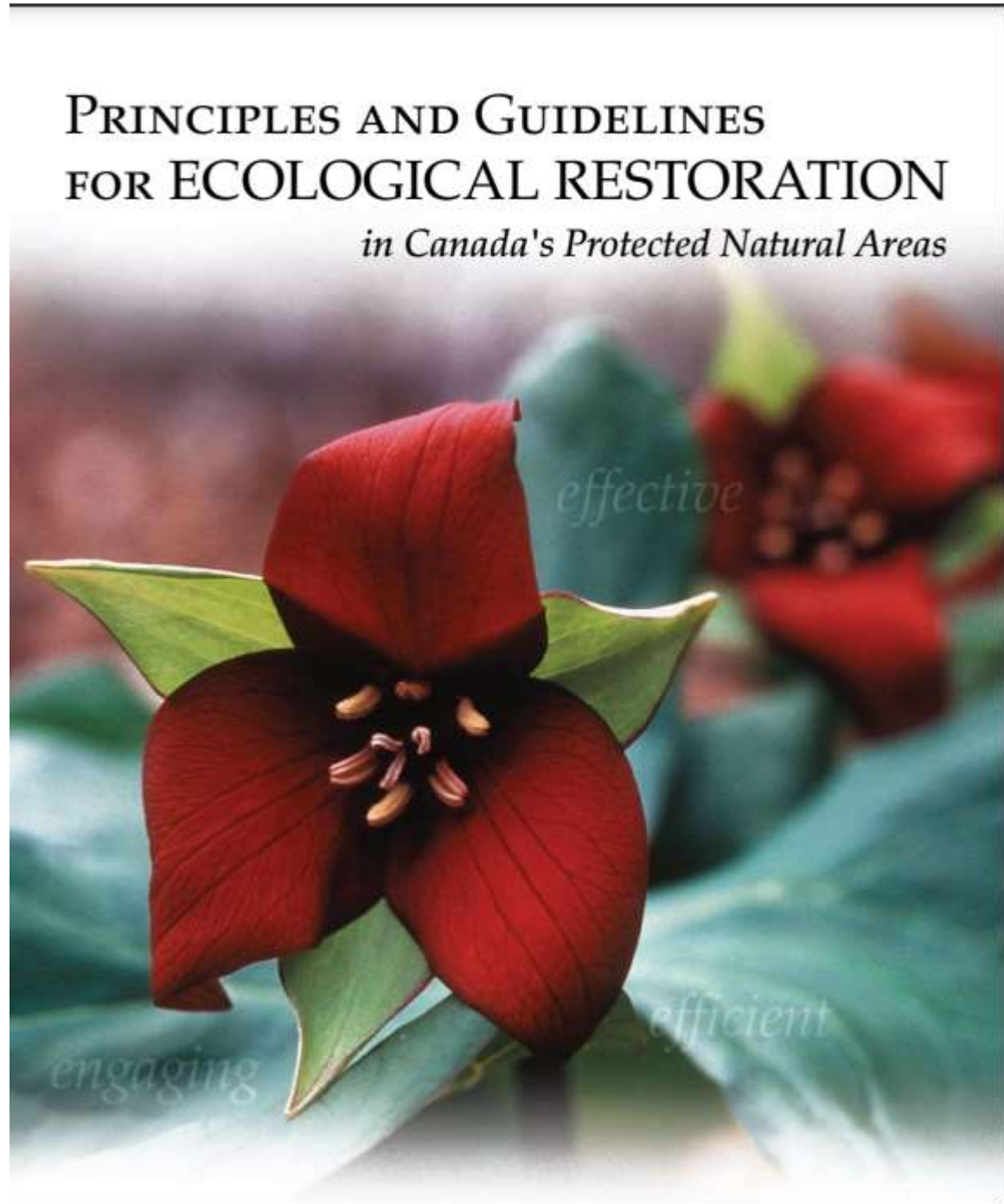
*Economic, Sustainable,
Two birds with one stone*

effective

*It works, Successful
Achieves objectives*

PRINCIPLES AND GUIDELINES
FOR ECOLOGICAL RESTORATION

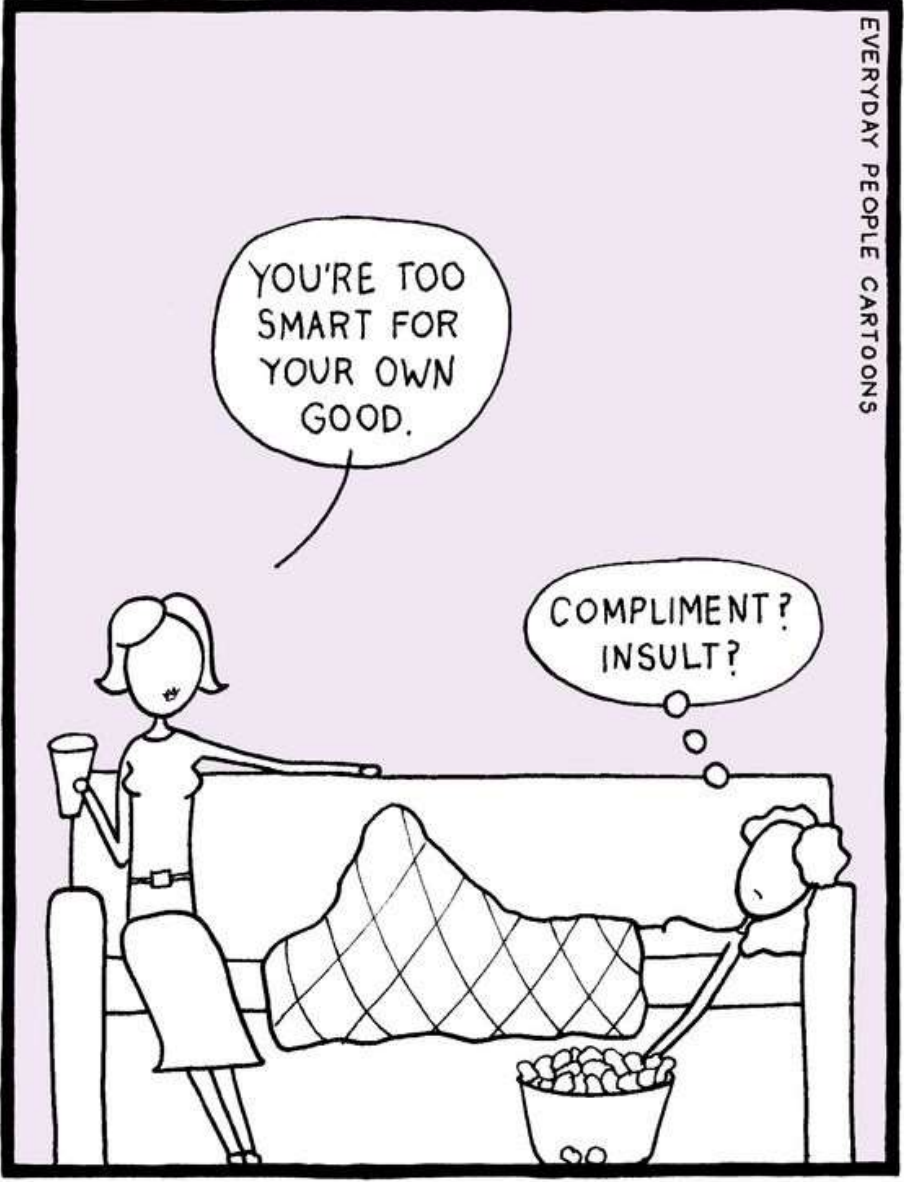
in Canada's Protected Natural Areas



- Few projects predetermine criteria for success
- Fewer quantitatively monitor project outcomes
- Active restoration often fails to achieve desired outcomes

Jones, H. P., et al. (2018) Restoration and repair of Earth's damaged ecosystems. **Proceedings of the Royal Society B: Biological Sciences**

Suding, K. (2011) Toward an Era of Restoration in Ecology: Successes, Failures, and Opportunities Ahead
Annual Review of Ecology, Evolution, and Systematics



Uncertainty –

Lack of conviction or knowledge especially about an outcome or result.

Experiment -

A procedure carried out to support or refute a hypothesis, or determine the efficacy or likelihood of something previously untried.

Evidence-Based Practice

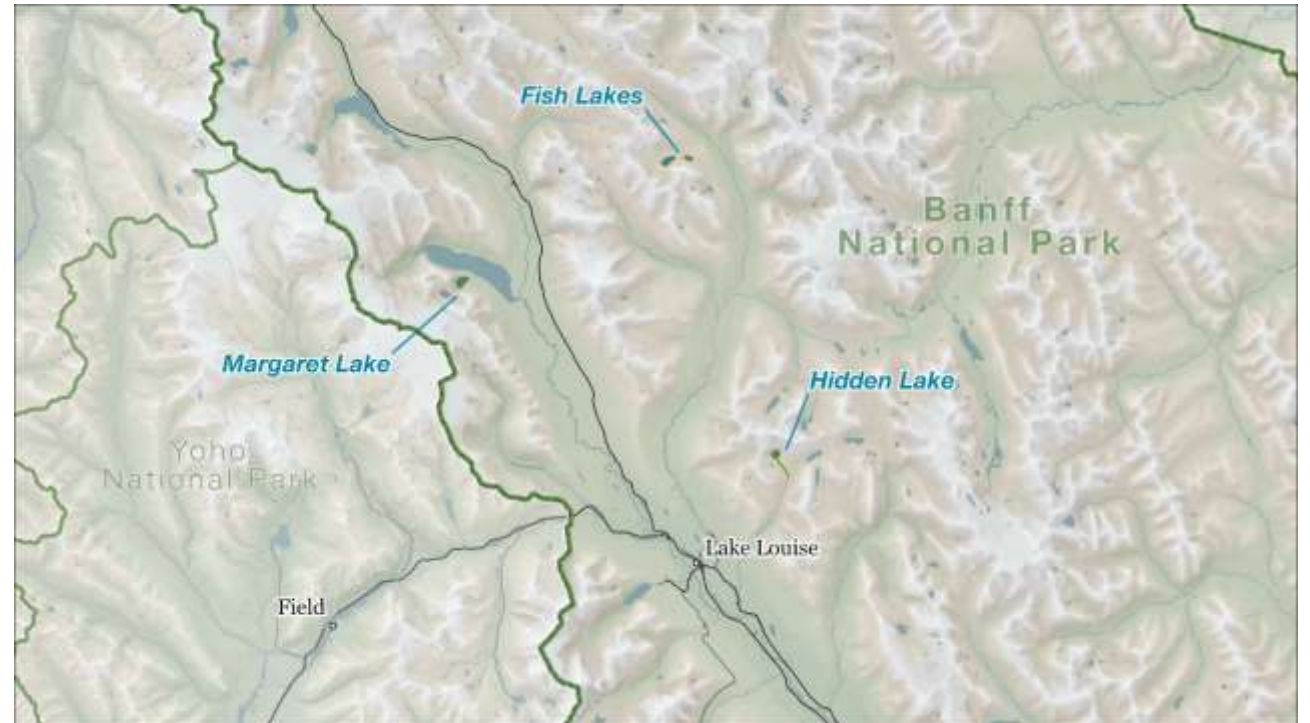
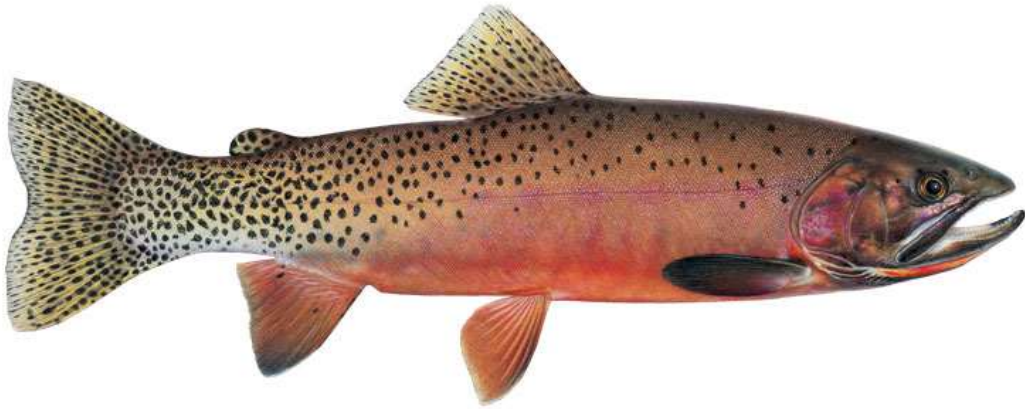
- What works?
- What doesn't work?
- And, why?

Evidence-Based Practice

- Use existing evidence
- Generate new evidence

The effectiveness of non-native fish removal techniques in freshwater ecosystems: a systematic review

Trina Rytwinski, Jessica J. Taylor, Lisa A. Donaldson, J. Robert Britton, David R. Browne, Robert E. Gresswell, Mark Lintermans, Kent A. Prior, Marlow G. Pellatt, Chantal Vis, and Steven J. Cooke







CONTRIBUTED PAPER

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A practical approach to assessing existing evidence for specific conservation strategies

Nick Salafsky¹  | Robyn Irvine²  | Judy Boshoven¹  | Jaclyn Lucas¹  |
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André Y. Laurin² | Amanda Lavers² | Lalenia Neufeld² | Richard Margoluis³



“What if we don’t change at all ...
and something magical just happens?”

Experiments to produce evidence of effectiveness



Better restoration is a superior objective than is more restoration