

Welcome to the First National

Fish Passage Symposium



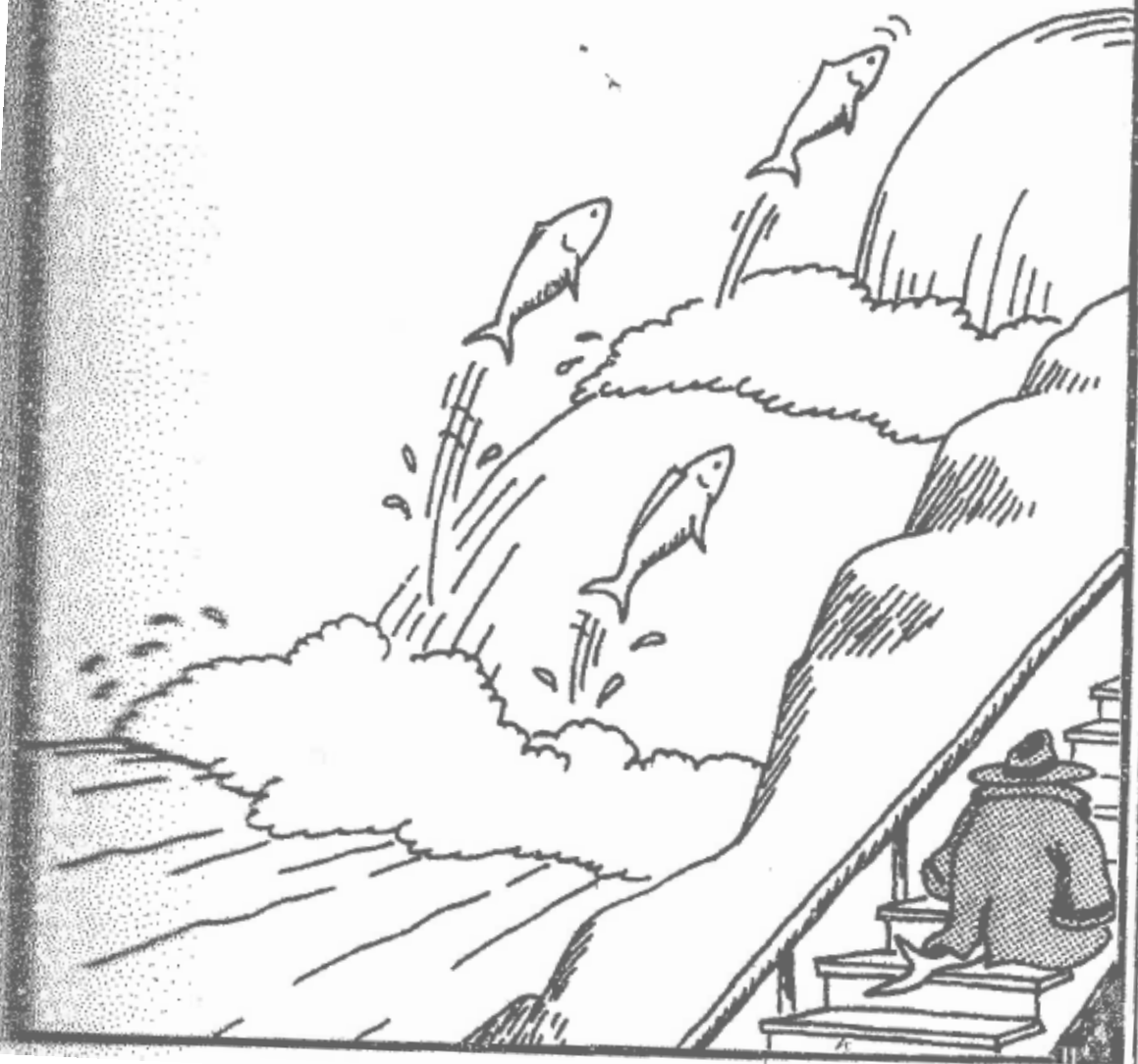
Drawings by Soledad Frimmel; Photos by Bruno David, NIMB, DOC

Thanks to our sponsors:



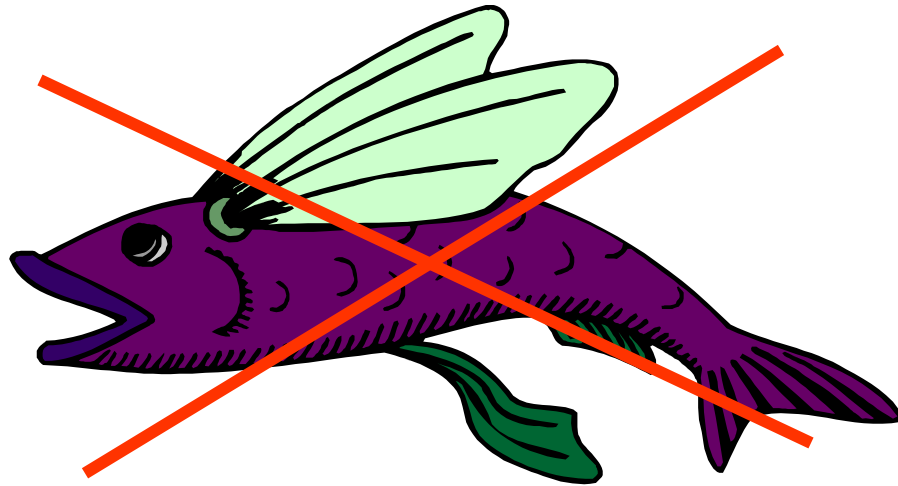


Larson



*“Stepping it up”
for our
freshwater fish*

Fish Can't Fly!



*“Some fish can climb, a
few can jump,
... but none can fly”*

Thanks to our sponsors:



The aims for today:

- *Interchange of ideas and motivation for assessment and remediation of structures in streams*
- *Foster inter-disciplinary cooperation ie scientists, planners, engineers.*
- *Assist in the revision of the fish passage guidelines (produce a Table of Contents)*
- *Identify knowledge gaps*
- *Come up with ideas to promote fish migration and remediation*

FISH PASSAGE AT CULVERTS

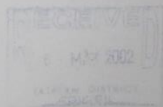
A review, with possible solutions
for New Zealand indigenous species

December 1999



NIWA
Taihoro Nukurangi

Department of Conservation
Te Papa Atawhai



Fish passage guidance for state highways

Version 1.0, August 2013

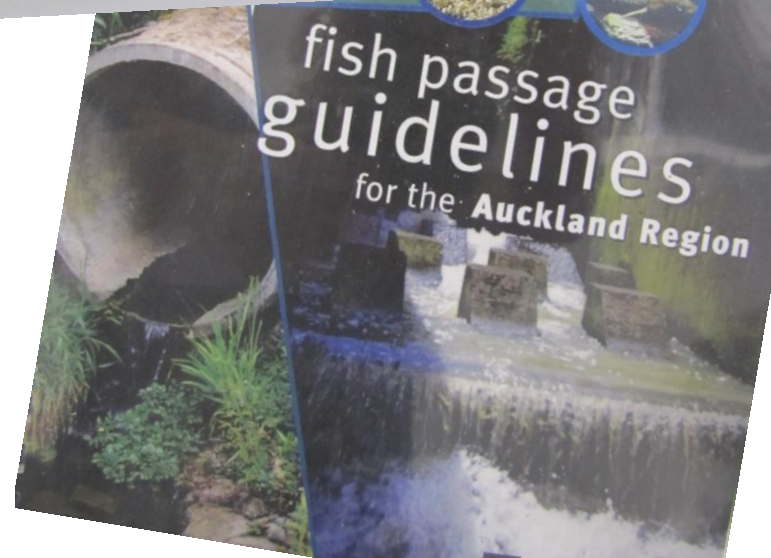
State highways have the potential to cross waterways, meaning the correct design and installation of culverts is essential for the purpose of fish passage. This guide has been designed to assist in the best practice design and retrofit of NZTA culverts for effective fish passage to meet our statutory obligations.



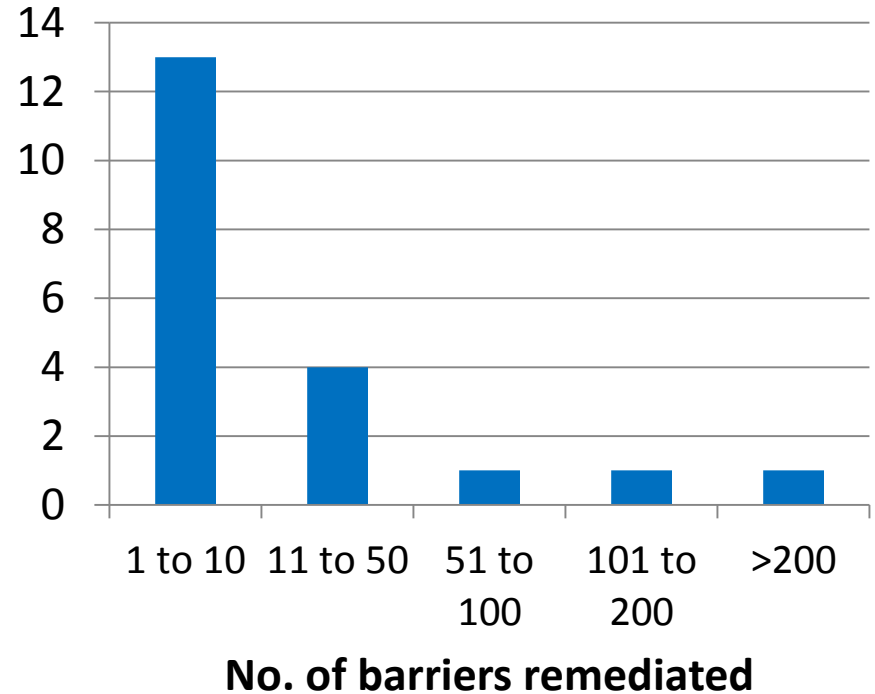
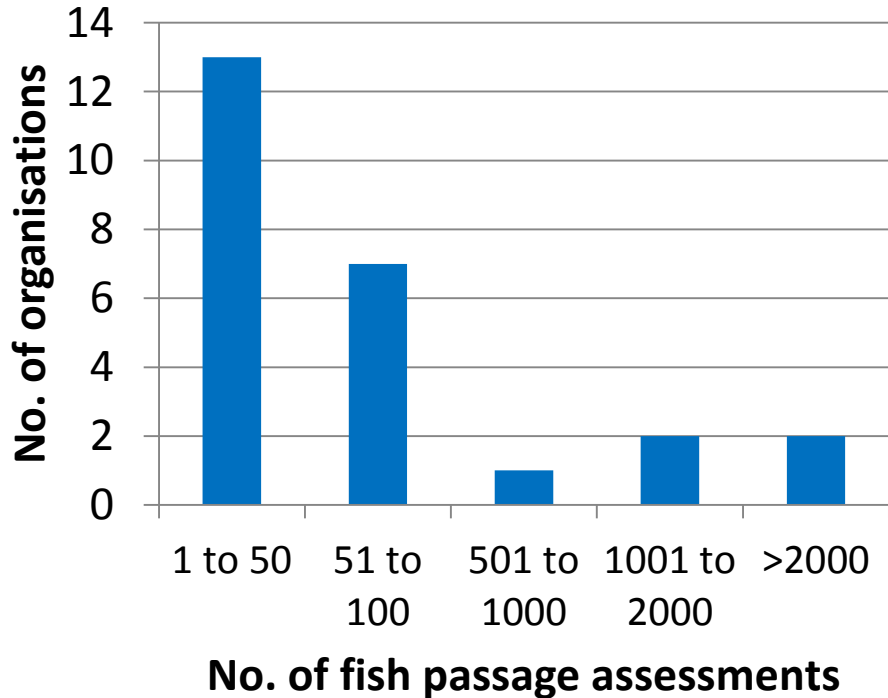
New Zealand Government



fish passage guidelines for the Auckland Region



State of Play: Assessments of Structures & Barriers Remediated



Fish passage rules

- For new structures: All Regional councils
- For existing structures: 9 Regional councils

