



Figure 1. Location of sites used for trials. ■ = sites used for attractiveness trials, ◆ = treatment sites for efficacy trial, ● = non-treatment sites for efficacy trial. 1 = Duckpond Stream, 2 = Owen River, 3 = Mt Misery, 4 = Site of Nature Recovery Project, 5 = Lake Rotoiti edge.

4.1.3 Water absorption of pellets

Water absorption of the six pellet formulations (Appendix 1) was compared by placing five lots of three pellets for each formulation into separate petri dishes (30 petri dishes in total) in an incubator (30°C and 70% humidity). Each petri dish was weighed before incubation and reweighed after 1, 3, 6 and 13 days. ANOVA was used to compare water absorption by the different bait pellets.

4.1.4 Attractiveness of pellets

The attractiveness of four experimental pellet types (A-D; see Appendix 1), plus freeze-dried sardines, freeze-dried sardines with flour added, and canned sardines were compared. Freeze-dried baits and pellets had 25 ml of water added to one treatment and were left dry in another to compare the attractiveness of dehydrated and rehydrated baits. On 24 February 1998 at Owen River, the 15 different bait treatments were laid in a Latin square design, and instantaneous counts made of the number of wasps on baits every 15 minutes for 2 hours.