FIRST 6 MONTHS

HV FIRE PROJECT

32 SITES and 160 quadrats surveyed for all plant species

165 PLANT SPECIES recorded pre-fire

3.2% of HIDDEN VALE planned for fire treatments

36 BIRD SPECIES recorded pre-fire

149 HECTARES planned for 2023 fire treatments

900 SOIL CORES collected for soil seedbank analysis

22 HECTARES treated with fire in 2023 and counting…

AS OF 22nd JUNE 2023

PROJECT DESIGN

The project was designed by Dr Annabel Smith, Dr Shane Campbell and Danyel Wolff.

It is a replicated, landscape-scale Before-After-Control-Impact experiment including three fire treatments: high frequency (1-2 years), low frequency (3-6 years) and control (no fire).

Individual student projects are designed to fit within the overall project design.

Dr April Reside designed the bird project.

3 fire levels

10 replicates

Planned for long-term

SPECIAL THANKS

Turner Family Foundation

UQ Hidden Vale Conservation Research Support Grant

Louise McFarline

Dr Gabrielle Lebbink

Prof. Robbie Wilson, Dr Dalene Adam, Dr Julia Hoy, Sam Morrison, Dr April Reside Jared Wolff, Croc and John

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UQ student projects underway:

Caitlin Gaskell, soil seedbank

Joan Zwar, mammals

Emily Kinchin, birds

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TFF and UQ staff and students trained in fire management

Native grass expert and plant ecologist, Dr Gabrielle Lebbink recorded 165 plant species across 160 quadrats in 32 sites

Caitlin (centre), Shane and Annabel are investigating how fire affects the soil seedbank and what this means for frequent burning

Louise McFarline (right) established 160 sampling quadrats and assisted Gab with plant surveys

What are optimal fire regimes for plant conservation at Hidden Vale?

Shane and Caitlin collecting 900 soil cores for soil seedbank analysis

Danyel and Annabel beginning the first of 149 hecares of fire treatments in 2023