



Mid Coast 2 Tops  
**Landcare**  
Connection

# Property Recovery and Resilience Action Planning

A workshop for Bushfire impacted properties to plan their recovery towards resilience in a changing climate.



This booklet belongs to: \_\_\_\_\_



**Landcare**  
New South Wales



**Local Land  
Services**

*Presented by Mid Coast 2 Tops, in partnership with Mid Coast Council, Hunter Local Land Services and the Australian Government Regional Agriculture Landcare Facilitator Program. Funded by the NSW Department of Planning, Industry and Environment through the Increasing Resilience to Climate Change (IRCC) community grants and the NSW Landcare Program.*

# Parking Lot Page

This page has been left empty intentionally, use it to jot down ideas, questions or things to follow up on.

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# Using This Booklet

This booklet has been designed to complement the talks given today and allow space for you to adapt the ideas to your own property.

You will find a page for each topic, as well as “parking lots” for your questions and ideas that may come to you throughout the day.

This booklet is for you, please feel free to jot down and scribble as you wish. We ask that after today, you complete the “homework” of this workshop. This will require you to fill in the booklet again, which you will receive via email or download from our website below. With this second version, please take the time to create a coherent and structured plan for the elements of today which are applicable to your property.

By sharing this final version with us, we will be able to identify opportunities for collaboration within your community, be it in funding applications, training days or working bees. We hope that through today, you form connections within your community you may not otherwise have made, and as a community, we can work together to increase our resilience to the challenges ahead.

Mid Coast 2 Tops Landcare has already been able to leverage funding for weeding contractors and education for attendees of these workshops. The more participants that share these plans with us, the more opportunities we will be able to generate to aid in your recovery.

## What's in here?

You will find a page for each topic on the following pages. Each topic page will provide you with the key points from the presentation, key resources provided by the speaker for future reading, and a planning page for that topic. Some of these may not be relevant to your property, and that is perfectly ok. Use what you need.

In addition to these, you will find blank planning pages and a thoughts “parking lot” at the back of this booklet.

These blank planning pages are to be used for topics that require multiple actions on your property. You may wish to use these for different areas of weed infestations, different erosional areas, or for considering different techniques to address an issue.

The ideas parking lot is where you can jot down questions you have throughout presentations, or ideas you wish to discuss later. This may even be a place for reminders to yourself to research a topic further.

Digital copies of all the information today can be found on our website: <https://www.midcoast2tops.org.au/prrp-workshop-resources>

Scan this QR code with your smart phone or tablet camera to be taken to the resource page of our website.

This will give you a digital copy of this booklet, along with all the resources mentioned today.





# Planning Page Example

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**Issue:** (This may be a specific weed, or an area of low productivity or a fear of future incident.)

**Aim:** (This should be clear and overarching.  
e.g. Increase hydration throughout the landscape of my property)

**Objective:** (Objectives should be specific goals which are measurable and attainable, which will help you achieve your aim. You may need to have multiple objectives to achieve your aim, each with their own actions. Use the blank planning pages at the back of this workbook for this. e.g. Maintain year round ground cover to minimise top soil loss.)

**Action:** (Actions are how you are going to be able to achieve your objective. This may be as simple as implement new rotational schedule, or may be a new planting schedule.

These should be broken down in steps, areas of works may be marked on your map and the resources required to complete these can be identified to the right. By providing detail in this section, we will best be able to assist in meeting your needs.)

**Indicate the area on your map. What have you used to represent this?**

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**What is the urgency of this works?**

- ☐ High
- ☐ Medium
- ☐ Low

**What do you need to complete this action?**

- ☐ Training
- ☐ Funding for
  - ☐ Contractor
  - ☐ Materials
- ☐ Equipment
- ☐ Labour

**Comments:**

Please provide detail on the above needs. What training, materials, equipment etc. If you require labour, would you be willing to take part in working bee's on neighbours properties in exchange for their assistance?

## Extra information for works:

(Note down any key points, contracts or resources to follow up on for this work.)

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# Climate Change on the Mid Coast

*Video presentation by John de Bruyn,  
Climate Change Resilience Officer, DPIE  
John.deBruyn@environment.nsw.gov.au*

This topic has been included to set the scene for the day and provide some context of the regional changes expected.

## Key Points

- Sources of information and predictions
- What do we need to know?
- Regional Climate Change Snapshot
- Rainfall, Temperature, Fire Danger, Groundwater Recharge, East Coast Lows
- Assess our risk and vulnerabilities
- Transition system models for Hunter and Central Coast
- Respond; Case study

## Resources

**You will find a copy of each of these on our website.**

- Office of Environment and Heritage. 2014. North Coast Climate Change Snapshot.
- Department of Primary Industries. 2020. Projected impacts of climate changes on agriculture

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ Understanding Climate Change modelling
- ☐ Regional Climate Change Snapshot
- ☐

# Water Resilience

*Presentation by Mid Coast Council Catchment Management team.*

## Key Points

- A Healthy catchment
- Stressors to the system
- What did we learn? How do these stresses impact water quality?
- Restoration works; control erosion, rehabilitate control lines, prioritise riparian restoration, floating booms to contain sediment and monitor.

## Resources

**You will find a copy of each of these on our website.**

- Mid Coast Council. 2020. Waterway and Catchment Report Card
- Department of Planning, Industry and Environment. Bushfire and Town Water Quality. 2020
- NSW Environmental Protection Authority. 2020. Bushfire Impacts on Water Quality.

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ How to monitor your water quality
- ☐ Riparian weed management
- ☐



## Action Planning

**Issue:** \_\_\_\_\_

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**Aim:** \_\_\_\_\_

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**Objective:** \_\_\_\_\_

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**Action:** \_\_\_\_\_

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☐ Labour

Comments:

# Managed Grazing

*Presentation by Albert Mullen and Col Freeman, Hunter Local Land Services*

## Key Points

- Using Managed Grazing to your advantage.
- Paddock location and species influence your design
- Annual vs Perennial pasture areas.
- Regeneration areas are part of the plan
- Decisions to make
- Off stream water systems
- Forming a grazing plan

## Resources

**You will find a copy of each of these on our website.**

- Ian Popay, & Roger Field. (1996). Grazing Animals as Weed Control Agents. Weed Technology, 10(1), 217-231. Retrieved November 9, 2020, from <http://www.jstor.org/stable/3987805>
- 
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## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ Grazing Planning
- ☐ Pastural Weed Identification
- ☐

## Action Planning

**Issue:** \_\_\_\_\_  
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**Action:** \_\_\_\_\_

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Comments:

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# Soil Health Post Fire and Drought

*Presentation by Lee Fieldhouse, Island Biologicals*

## Key Points

- What are living soils?
- The impacts of fire and drought.
- Regaining soil health post fire and drought.
- Managing the early colonisers
- Inputs

## Resources

**You will find a copy of each of these on our website.**

- Lee's key points from today
- Nicole Masters fire recovery webinar and summary
- How to do a biological seed inoculation
- Walter Jehne talks fire & fungi

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

☐ Using Biostimulants - how and why?

☐

☐

## Action Planning

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# Erosion Management

*Presentation by Paul Park, Soil Solutions  
0408 678 892*

## Key Points

- Understanding your soil type
- Capturing and slowing water on your property
- Erosion control in emergency situations
- Long term strategies for soil conservation on your property.

## Resources

**You will find a copy of each of these on our website.**

- Miller, Wendy. 1995. Practical Guide to Soil Erosion.
- South East Local Land Services (2018) Gully Erosion Assessment and Control Guide,
- 

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ Erosion control implementation demos
- ☐
- ☐



## Action Planning

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Comments:

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# Landscape Rehyrdation

*Presentation by Andrew Yeo, Yeo Farms.  
Panel discussion with MCC, LLS, Lee Feildhouse, Paul Park and Andrew Yeo.*

## Key Points

- Educate, don't indoctrinate! Observe and consider the needs of your patch.
- Consider, are earth works in the net positive of your patch?
- Design considerations and importance of successional improvements
- The water cycle; transpiration is better than evaporation
- Fertility and infiltration are entwined
- Panel conversation: Many meanings, many considerations, many applications!
- 

## Resources

**You will find a copy of each of these on our website.**

- Dale Strickler. 2018. The Drought-resilient farm.
- Extensive list of resources from Mulloon Institute

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ Site visits to demo sites
- ☐ Landscape rehydration in depth!
- ☐

## Action Planning

**Issue:** \_\_\_\_\_  
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**Objective:** \_\_\_\_\_  
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# Weed Management Post Fire

*Presentation by Anthony Marchment, Mid Coast Council.*

## Key Points

- Critical Factors to consider in planning
- Factors influencing your prioritisation
- Consider succession planning
- Other rehabilitation considerations
- 

## Resources

**You will find a copy of each of these on our website.**

- Department of Primary Industries. 2020. Weeds Strategy and policy.
- Department of Planning, Industry and Environment. 2020. Fire and the Environment 2019-20.
- Society for Ecological Restoration. 2018. National Standards for the practice of ecological restoration in Australia.

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ Weed Identification
- ☐ Successive weed management techniques
- ☐

## Action Planning

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Comments:

# Property Bushfire Preparedness

*Presentation by Julie King, Volunteer with Mid Coast RFS*

## Key Points

- 2020 was not a once off. Accepting fire in our landscape.
- Are you as prepared as you think you are?
- How and what resources do we use to make our decisions?
- Self sufficiency key when technology fails. Comms, transport, protection.
- Where to go for assistance planning and assessing your risk.

## Resources

**You will find a copy of each of these on our website.**

- Hotspots Fire Project. 2010 Managing Fire on your Property.
- [www.myfireplan.com.au](http://www.myfireplan.com.au)
- Bushfire information line 1800 NSW RFS

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ Mosaic burn demonstration
- ☐ Legalities of APZ and clearing for protection
- ☐ Fire safe gardens



# Action Planning

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**Comments:**

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# Biodiversity services

*Presentation by Jessica Leck, MC2T Landcare and Charles Sturt University.*

## Key Points

- The value of Biodiversity on our property
- Reestablishing nutrient cycles - Biodiversity corridors
- Creating microclimates for resilience - Shade and Shelter Belts
- Riparian areas - Vital in sediment control and water quality
- Resilience of biodiversity in the paddock - Away from monocultures
- Increasing the resilience of your property - Water points, habitat provision, future proof planting

## Resources

**You will find a copy of each of these on our website.**

- Sustainable Farms, ANU. 2020. Fire in Farm Landscape.
- Sustainable Farms, ANU. 2020. Powerful Pollinators. Encouraging insect pollinators in farm landscapes.
- Sustainable Farms, ANU. 2020. Shelter belts.
- Power, A.G., 2010, Ecosystem services and agriculture: tradeoffs and synergies

## Potential Training Opportunities

Please indicate if you would be interested in MC2T facilitating training in any of the following areas:

- ☐ Planting for native fauna
- ☐
- ☐

# Action Planning

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Comments:

# Key Priorities for your property

Please define below your three top priorities for your property. These do not need to be issues covered today. Not only will this allow us to prioritise your requirements, but we will be able to identify any gaps in our program and deliver these in the future.

**1.**

**2.**

**3.**

# Parking Lot Page

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## Action Planning

**Issue:** \_\_\_\_\_

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Comments:



## Mid Coast 2 Tops **Landcare** Connection



To satisfy our reporting requirements, we will be in touch with you over the coming months to survey if you took anything from this workshop.

Your contributions to these surveys will be invaluable in demonstrating the worth of these initiatives, as well as allow us to adapt future programs to meet the needs of the community.

If email is not your preferred communication methodology to receive these surveys, please let Jessica Leck know either in person or on 0487 477 603