



# Providing Environmental Flows through increased Irrigation Planning

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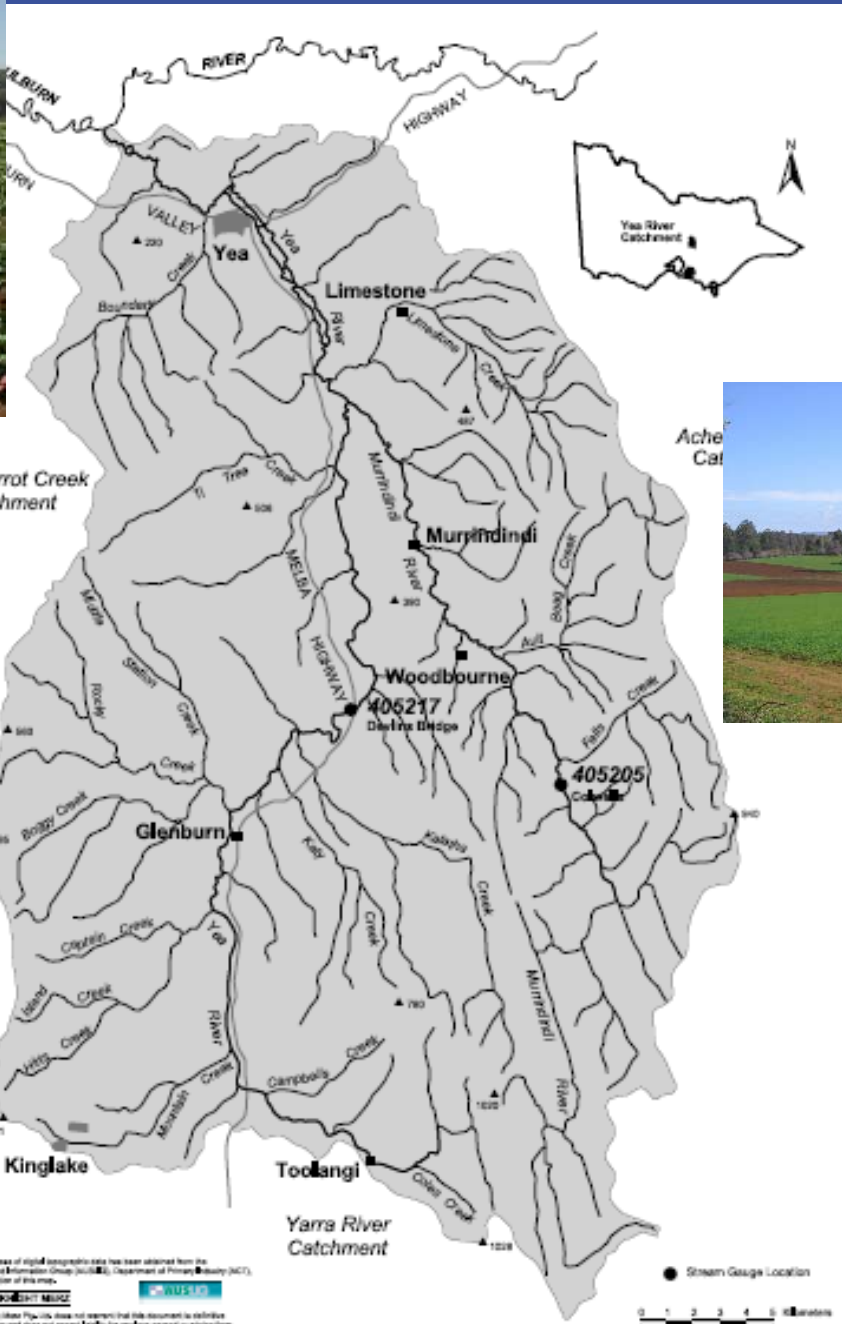
# Summary

- Yea River Catchment
- Streamflow Management Plan
- Community Engagement
- Drip Feasibility Study
- Transitional Package
- Conclusion

# Victoria

Australia





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**SCIENCE FOR PROGRESS**

Stream Gauge (see Flow) data not shown; this document is selective  
 version of data and does not represent fully for any use related to emergency  
 response information provided herein.

● Stream Gauge Location

0 1 2 3 4 5 Kilometers



# Streamflow Management Plan

- SFMP
  - White Paper ‘Our Water Our Future’
  - aim to provide a balanced and sustainable sharing of the available resource between all stakeholders.
- Legislative Process (*Water Act 1989*)
- Declaration of WSPA
  - Protects the water resources in the catchment
- Stakeholder engagement



# Community Stakeholder Engagement

- Public meetings held
  - Discussing reliability of supply
  - Future challenges, climate change, minimum environmental flows
- Irrigator interviews across the catchment
  - Discussing options available



# Outcome of Feedback

- Irrigation Information day
  - Farm management / planning
  - Irrigation development
  - Environmental management
- Feedback from the day led to a water saving study and development of a transitional package



# Water Use Efficiency Study



Nov 07



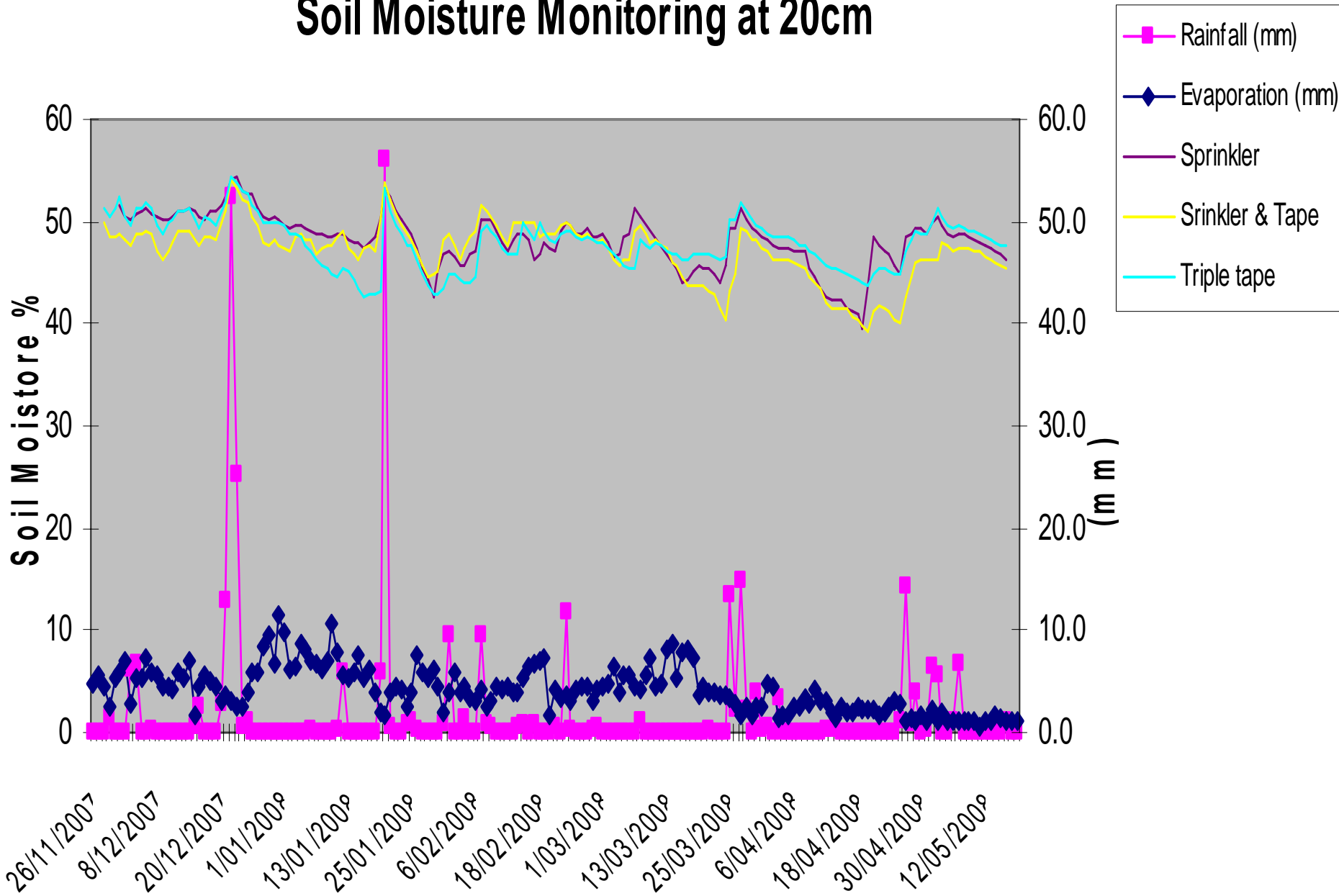
March 08



Jan 08



# Soil Moisture Monitoring at 20cm





# Drip Tape Results





# Development of a Transitional Package

- Package developed from irrigator communication and concerns
- Package promotes Best Farm Management whilst adjusting to minimum environmental flow achievement
- Multi-agency participation to maximise benefits



## Conclusion

- Worked with community to build confidence
- Developed transitional package
- Proved water savings can be made by altering irrigation practices
- maximised benefit to environment and community



Thankyou