

Melbourne

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Enhancing Life and Liveability

Understanding key construction points for WSUD assets

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Living Rivers Program



Presentation overview

- About Us
- Working in partnership
- Challenges with WSUD construction
- How the training came about
- Bioretention & wetland hold points
- Outcomes & insights











About us

Living Rivers Program







About Living Rivers



- Offers councils funding, expertise and guidance for IWM
- Aims to build capacity for local government to enable long term change
- Provide industry guidelines and standards

Partnering for sustainable stormwater management





Living Rivers Program



About Living Rivers





\$40 Million Melbourne Water Funding



\$44 Million Council Co-Contributions



2,400 kg/year

Nitrogen is now being removed directly by Living Rivers funded assets



467 Structural Projects



218 Strategic and Capacity Building Projects

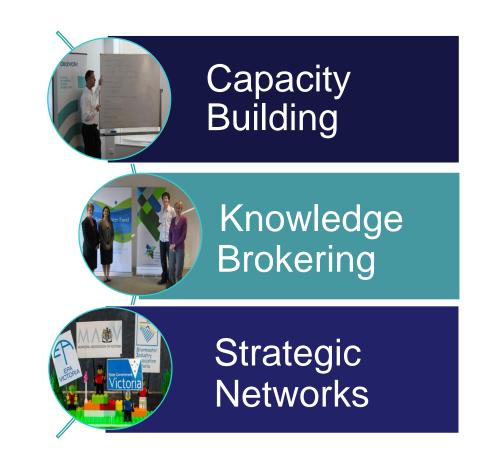




About Clearwater



- Victorian capacity building program for the water industry
- Building Capacity for Integrated Water Management outcomes
- 17 year history









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About Clearwater



Our service offering







Living Rivers Program

Working in partnership

- Share knowledge gained
- Improve capacity
- Strengthen networks









Challenges with WSUD construction











How the training came about





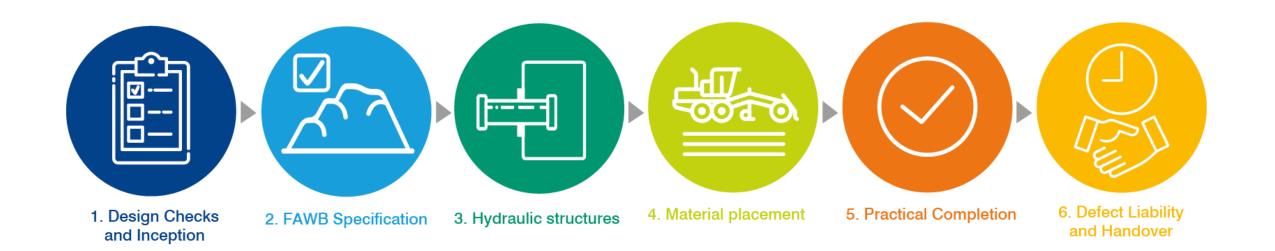


Partnering for sustainable stormwater management (0) (\$) (T) support FUNDING CUIDANCE



Bioretention hold points





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Wetland hold points



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Training outcomes



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Building the knowledge base across council Knowledge of WSUD assets & how they should be constructed • Understanding of the critical hold points for successful construction of WSUD assets Available checklist tools and people to assist **Building staff skills** Demystifying how to construct WSUD assets on-ground • Examples in a short video format to simulate a site visit and what to look for when inspecting WSUD assets under construction Deeper practical learning through activities to understand how to effectively translate designs into construction Strengthening council's capacity to implement WSUD • Improved relationships and collaboration across engineering, operations and asset services (breaking silos across disciplines) Better <u>clarity around roles</u> and responsibilities Improved staff culture towards WSUD

- Improved processes for managing the construction of WSUD assets
- Action planning (start planning ahead)



Partnering for sustainable



Broader outcomes



- Creation of high quality assets provide expected nutrient and flood reduction
- More efficient use of resources saving time and money (potentially millions)
- Assets functioning as designed result in improved aesthetics for liveability outcomes
- Good quality assets are valued by the community









Insights

Living Rivers

Program

What our audience finds most valuable

- Discussion on how the things can go wrong on site during construction
- Identifying faults during construction and correct procedures
- Sharing of knowledge from presenters and other attendees
- Detailed run down of construction hold points including what to look for when undertaking site inspections
- Reference documents, including checklists

Partnering for sustainable







Development of training



Acknowledgement of contributors:















Questions?





For more information visit -

- <u>https://www.clearwatervic.com.au/</u>
- <u>https://www.melbournewater.com.au/community-and-</u> education/apply-funding/living-rivers-funding





