

Minutes

Title:	Koo Wee Rup Longwarry Flood Protection District Advisory Committee (#4) – Meeting No 1
Meeting date:	Thursday, 20 July 2023
Meeting time:	9.50 for 10.00am – 11.00am, followed by tour until 2pm (approx.; including lunch)
Location:	Koo Wee Rup Hall, followed by tour of district
Attendees:	Bruce Turner, Garry Oates, Ian Nicolson, Ian Anderson, Frank Rovers, Susan Anderson, Ben Lamont & Brendan Nunn (Cardinia SC), Teena Mathew (Baw Baw SC), Paul Rees (MW), Stuart Cochrane (MW), Adam Ryan (MW), Tom le Cerf (MW)
	Apologies: Kate Yeowart, Paul Bucys and Kuan Yeoh (Casey), Matthew Coleman, Con Raffa
Chairperson:	Bruce Turner
Note takers:	Paul, Tom and Bruce

1. Welcome, apologies and Committee Renewal process		Presenter
10.00	1.1 Welcome & apologies – new members Introductions from everyone.	Bruce Turner (Chair)
	1.2 Committee Renewal process update (incl revised TOR) <ul style="list-style-type: none"> • We went out to the community, through Facebook, Blackfish etc. We received 8 applications and interviewed and appointed three new members. • Plan is to update terms of reference: <ul style="list-style-type: none"> ○ If we advertise and there is a lot of interest then, we will re-interview everyone. But we don't want to have a strict 2 term limit to membership ○ Adding the City of Casey to the list of members ○ Changing from 4 meetings a year to 3 times a year. ○ How we are using the precept rates vs. non-precept rate. ○ Assign non-precept rate to relevant team and then get them to attend the meetings. ○ Reemphasising what the committee is responsible for. • What is a precept rate? The additional charge to landowners in the district which allows additional funding of drainage works within the district. Drainage works on assets originating within the district (precept drains) are fully funded by the Precept Rate; those originating outside the district (carrier drains) are 50% funded by the waterways and drainage charge in addition to the precept rate. 	Tom Le Cerf

Koo Wee Rup and Longwarry Flood Protection District – Customer Charter

- the Essential Services Commission has said they want more representative and wholistic engagement with the community in the district.
- Including review of the district area
- Precept Rate Increase – Committee has previously agreed that this would be positive. Again, this will need to be the subject of wider consultation
- MUSIA – Melbourne Urban Stormwater Institutional Review is looking at the broader responsibility of drainage management across the Melbourne Water operating area.

2. Actions from previous meetings		Presenter/ status
10.10	<p>New Approach to Action and Issues Tracking</p> <p>The issues register will be distributed with updates prior to the meeting. (see attached, as referred to in the meeting)</p> <p>Then discussed by exception.</p> <ul style="list-style-type: none"> • NP-5 - Paul and Tom spoke to new Principal Flood Modeller about when they may be able to look at modelling Koo Wee Rup. They indicated that the team may be able to start the flood modelling next Financial Year (24/25). • NP-4 – (Deep Creek Catch Drain) Tom has asked the residents to provide information about the impact and we can then provide this to the Flooding and Drainage team for their consideration. • KWR-P-3 – We have the Melbourne Water Information Technology (IT) department working on a mapping tool to enable us to visually show the works and plans for the district and to ensure we are all talking about the same location. • New query – Re: Martin’s Drain Wetland (from Teena) – We need to lower the drain 600 mm to make the wetland work. Previously drainage scheme / development services involvement (David Reginato) 	Tom

3. MW Works update		Presenter
10.20	<p>3.1 Current and future precept works, including 2023-24 Work Plan and update on the mapping of works</p> <p><i>High Level Explanation & Budget Summary 23-24 (+ past year performance)</i></p> <p>80% of the program is recurring maintenance (grass cutting etc). 20% is the planned other works to address issues. 23/24 80% allocated for the program already (see handout; attached with the notes of the District Tour).</p> <p><i>2023-24 Works Program for Committee Endorsement</i> (see attached as handed out at the meeting)</p> <p>Started a couple of months ago. Desilting, Vegetation Management, North-West Catch Drain #9 to #7.</p>	<p>MW</p> <p>Tom</p> <p>Stu / Adam</p>

The program was formulated via inspections every week at different high risk drains to check the condition of the drains, plus suggestions from the Committee.

Opportunity for the Committee to add additional suggestions:

- (Sue A) Main Drain – Cape Ivy
- (Ian A) Evans Road Drain – Needs some more work – desilt. With the existing desilt left material on the access track (Frank). Stu to inspect.
- (Ian A & Frank) Northern Boundary Drain – McCauley property. Ensure appropriate and consistent maintenance.

Mapping of Works

Paul

4. Stakeholder feedback/ general business	Presenter
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10.40	4.1	Progress updates - refer to Issues Register See notes above	Tom
	4.2	New feedback / AOB See above	MW

5. Next meeting	Presenter
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10.55	5.1	Thursday 16 November 2023 was preferred by those present.	Bruce Turner
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District Tour Itinerary

Time	Location	Presenter
11:05	Depart KWR hall	
11:20	<u>Arrive Cora Lynn Ford – Cora Lynn</u> Discussion: Handing over Cora Lynn Ford to Council & the role the ford plays in Flood Response. Silt management. Bunyip River	Paul Rees / Tom Le Cerf
12:00	Lunch Cora Lynn Footy Club	
12:30	<u>Arrive McDonalds Drain – Fehner Rd</u> Discussion: MW Maintenance on Precept and Carrier Drains & Optimising services	Adam Ryan
1:05	<u>Arrive Lower Gum Scrub Creek – Wenn Rd</u> Discussion: The role of floodgates and the management of the Cardinia, Deep, Toomuc & Lower Gum Scrub system	Tom Le Cerf
1:30	FINISH – Travel back to Koo Wee Rup hall	
1:45	Koo Wee Rup Hall	

(Tour notes/ handout are attached to these minutes)

A noteworthy discussion was had at Cora Lynn Ford regarding the capacity of the drainage system at that point. Tom advised the design capacity is 210 m3/s whereas the asset actually provides 224 m3/s capacity. Frank commented that it would be very helpful if the report on this capacity could be circulated in a form that community representatives can share with interested people in their networks.

New Action: Tom to circulate report on capacities along with a one page summary.

Other Identified Issues (Non-Precept Rate Related)

These are potentially useful topics for a guest speaker to come and speak to the committee.

No.	Action Number	Who raised the issue?	CRM Ref	Maximo WO Ref	Priority	Location	Waterway / Drain	Query / Issue	Lead	Last Status Update	Status	Status Comments	Resolution
NP-1	ACTION 4.2	?	NA	NA	Medium	Whole District	All	Culvert Crossing Guidelines Update	Tom	29-Jun-23	Complete	We have undertaken a preliminary investigation and discussed with the responsible team. It is currently a low priority for that team.	We will continue to assess applications on a case by case basis.
NP-2	ACTION 13.4	?	NA	NA	High	Whole District	All	Ongoing development	NA	29-Jun-23	Complete	No specific concern identified.	Committee members can provide feedback direct to the Victorian Planning Authority (https://vpa.vic.gov.au). If the committee have specific queries we can invite along the Melbourne Water development services team to discuss specific areas and Melbourne Water's approach to them
NP-3	ACTION 15.2	?	NA	NA	Medium	Officer	Deep Creek Retarding Basin	Ben Wood to source information from Cardinia SC on where things stand with the Deep Ck Retarding Basin and what to expect next.	<i>Ben Wood (Cardinia Council)</i>	29-Jun-23	Not Started		
NP-4	ACTION 14.2	?	NA	NA	Medium		Deep Creek Catch Drain	Deep Creek Catch Drain Flood Gate	Tom	29-Jun-23	In Progress	Tom requested additional information from interested landowners. Upgrade to be assessed by the flood and drainage team	
NP-5	ACTION 13.6	?	NA	NA	High	Whole District	All	Flood Mapping of Flood Protection District	Tom	29-Jun-23	Complete	Tom & Paul met with Sina Alaghmand (Principle Flood Information) to advocate for Koo Wee Rup mapping being undertaken.	Sina has indicated that most likely this can be part of the flood program for FY24-25

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Asset Name	Date of inspectio	Inspection By	Reach	Inspect	Condition	Type of Works	Status	WO Order No.	Works Required	Follow Up	PM details
Muddy Gates Drain	17/05/2023	Stuart/Stephen	Entire length	Poor/Fair	Desilt	Desilt	Planning	Desilt List	Drain requires Desilt at one section (see map) and the road side stretch requires phragmites control via cut and spray,	Yearly PM	WO8623484
Western Outfall Drain	17/05/2023	Stuart/Stephen/Tom	Entire length	Fair	Desilt	Desilt	Planning	Desilt List	Drain requires Desilt south of Lynes Road (see map). Fence removal from drain required ~200m north of Lynes Road.	Yearly PM	WO8643138
Deep Creek Catch Drain	17/05/2023	Stephen/Tom	Entire length	Fair	Desilt	Desilt	Planning	Desilt List	Drain requires Desilt between Railway Road and Ballarto		
Deep Creek (Lower)	17/05/2023	Stephen/Tom	Entire length	Fair	Desilt	Desilt	Planning	Desilt List	Drain requires Desilt between Mcgregor Road and Ballarto		
Tooradin Inlet Drain	24/05/2023	Stephen	Peers Rd to A	Poor/Fair	Desilt	Desilt	Planning	Desilt List	Drain requires Desilt between Peers Rd and Hardys Rd.		
Tooradin Road Drain	14/06/2023	Adam	35 Aurthur Ay	Fair	Desilt	Desilt	Complete	N/A	Drain requires Desilt at 35 Arthur Ayres Rd. Rest of drain in good condition. Complete. Works to clear banks of Tooradin Inlet drain of Blackberry to follow on. Land owner will then	CM Blackberr y, then	
Rutters Road Drain	20/05/2023	Tom	Upstream of	Fair	No Works	No Works	Complete	N/A	Inspected, no works required		
Sidebottoms Road Drain	14/06/2023	Stephen/Stuart	Entire Length	Good	No Works	No Works	Complete	N/A	Inspected, no works required		
Pitts Road Drain	14/06/2023	Stephen/Stuart	Entire Length	Good	No Works	No Works	Complete	N/A	Inspected, no works required		
McGregors Drain	21/06/2023	Stephen	Entire Length	Fair	No Works	No Works	Complete	N/A	Inspected, no works required		
Tooradin Road Drain	N/A	Adam	Hardies Rd to	Good	Inspection	Inspection			Annual Drone Inspection PM to check for blockages.		
Hornbuckle Drain	14/06/2023	Stephen	Entire length	Fair	TBC	TBC	Inspecting		Inspection required at one stretch of drain, contact left with		
Nine Mile Drain		Stephen/Stuart			Veg Control	Veg Control	Inspecting		Waiting for suitable time for landowner so drain can be inspected. Minor section of Phragmites needs removing		
Bunyip Main Drain		Adam			TBC	TBC	Inspecting		Cape Ivy everywhere. Follow up site visit required to consider		
Evans Road Drain		Stu			TBC	TBC	Inspecting		Evans Road Drain – Needs some more work – desilt. With the existing desilt left material on the access track (Frank).		
Northern Boundary Drain – McCraws Road		Stu			TBC	TBC	Inspecting		Ensure appropriate and consistent maintenance. Stu to investigate.		
Tynong Road Drain	17/05/2023	Stuart/Stephen	Entire length	Poor/Fair	Veg Control	Veg Control	Planning	PM11486	Drain requires phragmites control via cut and spray, drain is already on a PM but have followed up with Clint to carry out		
Murray Road Drain	17/05/2023	Stuart/Stephen	Entire length	Poor/Fair	Veg Control	Veg Control	Planning	WO9045602	Drain requires vegetation management along parts of entire		
Bastin #1 Drain	23/05/2023	Stephen	Entire Length	Poor/Fair	Veg Control	Veg Control	Planning	WO9051946	Drain requires vegetation management along parts of entire		
Egertons Rd Drain	8/06/2023	Stephen/Stuart	Tooradin Roa	Fair/Poor	Veg Control	Veg Control	Planning		Vegetation management (Typha, phragmites) required off and		
West Dalmore Rd Drain	17/05/2023	Stephen/Stuart	Downstream	Fair/Poor	Veg Control	Veg Control	Ongoing	PM11452	PM already in place.		
Martins Rd Drain	16/06/2023	Stephen	Along Martin	Poor	Veg Control	Veg Control	Complete	WO9107148	WO raised off of a customer complaint, drain has been cleaned. Raising a ongoing prevenative maintenance for this		
Number 6 Yallock Drain		Stu			Veg Control	Veg Control	Planning		Tree management 2 stretches. Melbourne Water owned		
Fallon Road Drain	14/06/2023	Stephen/Stuart	Entire Length	Poor	Veg Control	Veg Control	Planning	WO9121833	Drain requires vegetation management. Work order created.		
Quigleys Rd Drain	14/06/2023	Stephen/Stuart	Entire Length	Poor	Veg Control	Veg Control	Planning	WO9140395	Drain requires vegetation management. Work order created.		
Number 4 Yallock Drain		Adam/Stu	Downstream of Bayles		Veg Mgmt	Veg Mgmt	Planning		Been inspected, lease terminated, works will commence new financial year. Capital through Adam. CMs for grass cutting.		
North West Catch Drain	Jun-23	Stu	Between 9mil	Fair	Tree Works	Tree Works	Planning	WO8909950	Will concentrate on trees inside drain and on banks and use a different work order and budget for trees on the Levee		

KWRLFPD Advisory Committee meeting 20 July 2023

Financial summary and District Tour handouts

Precept Rate vs Non Precept Rate issues

Purpose of the Committee is to improve the management of the KWRLFPD and help prioritise the spending of funds gathered through the special Precept Rate charged to landowners in the district. Therefore, we will refocus on this, but still leave opportunity for discussion of important issues outside our team's control.

Last financial year position

- **100545 & 100547- Manage Rural Drainage - Precept Drains & Carrier Drains** () – these two budgets were overspent due to the La Nina conditions both prior to and during the previous financial year, which included multiple flood events.

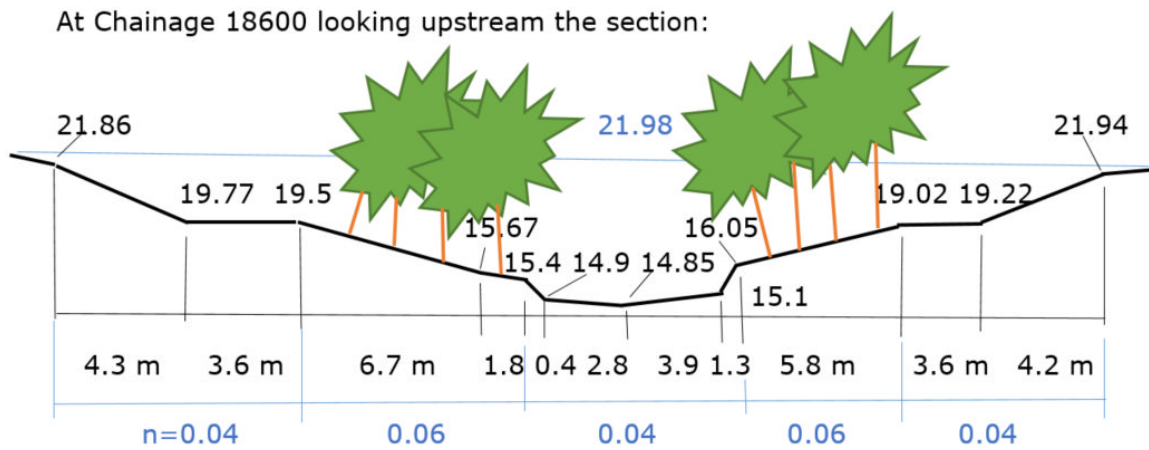
Current forecast- approximately 50% of the program committed as Programmed Maintenance

Drain Budget					

Site Tour - Bunyip River/Cora Lynn Ford

Hydraulic review

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Based on the above design capacity of the asset exceeds the design capacity. Key focus is maintaining access tracks and levees.

Sediment

Opportunity to license extraction of sand.

Significant cost associated with the transportation of large amounts of material.

Road Management

Road Management to transfer to council following the upgrade of the site

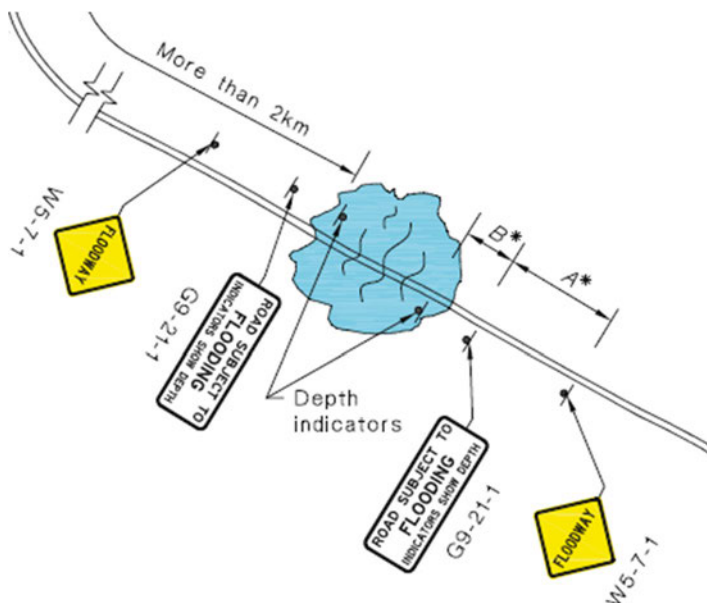
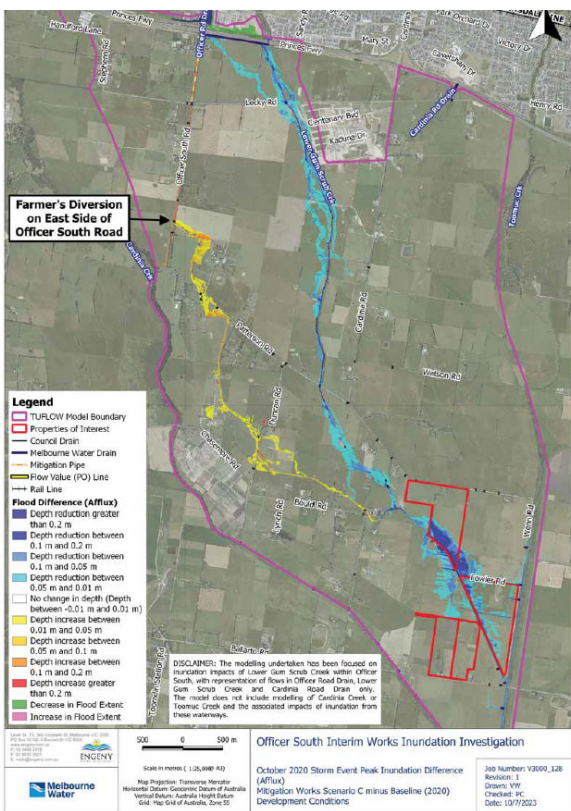
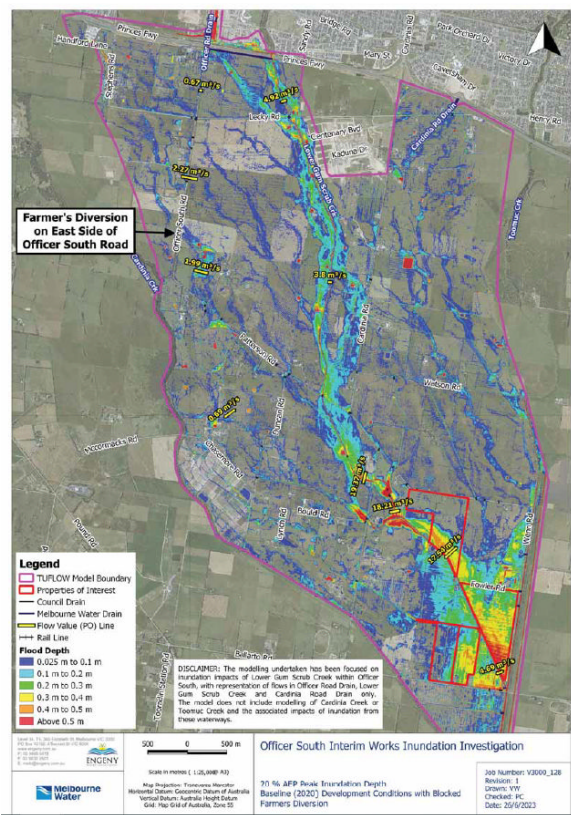


FIGURE 4.27 FLOODWAYS

Officer South PSP

Area already contained widespread flooding (Figure 1) however mitigation required to limit increases



Deep Creek, Toomuc Creek, Lower Gum Scrub Creek

Mitigation works to occur upstream in the catchment therefore significant works for the above parallel drains no longer planned.

Vegetation studies are to commence this FY to inform and assist planning of staged rehabilitation of the site.

