



A G E N D A

WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE MEETING

Thursday, 05 August 2021, 10.30am

Ngatea Service Centre
84 Orchard West Road
[NGATEA](#)



Membership

Committee Members:

His Worship the Mayor

B A Carter
P A Leonard
M Karl
G Laurich
B A Keane
P Paterson
B Pirie
P Johnstone
R D Young

Council Rep:

Councillor P Buckthought

Councillor Rep (alternate):

Councillor R Garrett

Hauraki District Council staff:

A de Laborde (Group Manager – Service Delivery)
J de Vos (Utilities Manager)
B Stephens (Drainage Overseer)
G Russell (Land Drainage Contractor)
C Black (Council Secretary)

Waikato Regional Council staff:

S Clark
A Munro

Delegations: **Western Plains Drainage Committee (WPDD)**

Membership	<p>Land Drainage Advisory Committee consisting of one Councillor (with an alternate) and representation as scheduled from each of the following Drainage Areas within the Drainage District:</p> <ul style="list-style-type: none">■ A representative (or alternative) of Waitakaruru/Miranda■ A representative (or alternative) of Pipiroa■ Two representatives (or alternatives) of Rawerawe/Ngatea/Pahunga■ A representative (or alternative) of Kaihere/Torehape■ Two representative (or alternative) of Patetonga/Mangawhero■ A representative (or alternative) of Pouarua/Maukoro
Quorum	As per Standing Order 11.2, half the members physically present.
Meeting frequency	The first Thursday in each month bi-monthly and monthly (if required) commencing at 10.30am at the Ngatea Service Centre.

The Council delegates to the Drainage Committee the following powers, duties and responsibilities:

- To make recommendations to the Council on all matters relating to Land Drainage within their District.
- The Western Plains Drainage Committee can also make recommendations to Council on urban stormwater matters within their district.
- To make recommendations on Council's operational and capital estimates for Council's Draft Long Term Plan and Draft Annual Plans.
- To provide input to Land Drainage asset planning matters and Land Drainage rating reviews in their respective areas.
- To generally oversee and monitor the Council's annual work programmes within the nominated areas; and to assist as necessary or as appropriate in the implementation of approved programmes.
- To facilitate the flow of information between ratepayers and staff.



WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE

AGENDA

Thursday, 05 August 2021 – 10.30am

Council Chamber, Ngatea Service Centre, 84 Orchard West Road, Ngatea

<u>Order of Business</u>	Pages
1. Apologies	
2. Declarations of Late Items	
3. Confirmation: Western Plains District Drainage Committee Minutes 06-05-21 - 2949627	5
4. Waikato Regional Council Update on Activities	
5. Western Plains Drainage Activity Report from April to June 2021 – 2964209	9
6. Member’s feedback on drainage matters in their areas.	

HAURAKI DISTRICT COUNCIL

WESTERN PLAINS DRAINAGE DISTRICT

MINUTES OF A MEETING OF THE WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE HELD IN THE COUNCIL CHAMBERS, WILLIAM STREET, PAEROA ON THURSDAY, 06 MAY 2021 COMMENCING AT 10.30 AM

PRESENT B A Carter (Chairperson), B Keane, G Laurich, P A Leonard (from 10.32am), P Johnstone, P Paterson (from 10.32am), M Karl (from 10.32am), R D Young, Cr Buckthought and Cr R Garrett

IN ATTENDANCE S Clark (WRC - Works Supervisor, Paeroa Team - Integrated Catchment Management), K Botting (WRC-Infrastructure Programme Lead, Business and Technical Services, Integrated Catchment Management), E J Wentzel (HDC – Utilities Manager), G Russell (Land Drainage Contractor), B Stephens (Drainage Overseer) and C Black (Council Secretary)

APOLOGIES

RESOLVED

THAT the apology for absence of B Pirie and for the lateness of P Leonard, P Paterson and M Karl be received and sustained.

WPDD21/35

Keane/Laurich

CARRIED

LATE ITEMS

There were no late items.

CONFIRMATION: WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE MINUTES - 04-03-21 -2907520)

RESOLVED

THAT the minutes of the meeting of the Western Plains Drainage District Committee held on Thursday, 04 March 2021 be taken as read and confirmed.

WPDD21/36

Buckthought/Laurich

CARRIED

MATTERS ARISING FROM THE MINUTES

There were no matters raised.

Pat Leonard, Peter Paterson and Mike Karl attended the meeting at 10.32am.

Waikato Regional Council - Shovel Ready Projects

Karen Botting – WRC Infrastructure Programme Lead, provided an update on the WRC Shovel Ready projects.

- \$29million in grants alone for climate resilience projects.
- \$15million in grants – HDC and Coromandel projects.
- Piako green corridor - Ngatea stopbank upgrade.

It was advised that the time period from start to finish of these projects is between 3-5 years.

Western Plains Environmental Enhancement Projects

Karen invited questions from the members as she went through the key projects affecting the western plains.

Ngatea Stop Banks:

- Stopbank between college and Puhunga Bridge.
- Processes to manage upgrade of the banks.
- Letter of intent between WRC and HDC for these projects, budgets etc. Karen is working with HDC's Utilities Manager, E J Wentzel on this.

Foreshore – Eastern and Western Stop Banks Upgrade (Flood Protection Works) Provincial Development

New design being worked through to incorporate the cycleway – reshaping of bank. The cycleway would need to be closed for the shaping stage of the project. Likely to be over 2 summer seasons to complete this project.

Karen outlined advantages to ratepayers. Surveys are ongoing to confirm the boundary between farmers and HDC land.

Communication will be held with stakeholders/landowners affected by flood protection works to enable staff to work and negotiate with these parties. It is next to a RAMSAR site of more than 15km. The works undertaken will bring the stopbank to a height of 3.5m.

MBIE (Ministry, Business Innovation and Employment) will fund up to 65% of these works. The Ministry has requested that a timeline be provided to them when all shovel ready projects funded are expected to be completed.

Piako Green Corridor Project

Climate Resilience:

- 17km riparian restoration.
- WRC will provide restoration for the bird species to move between the Firth and Kopuatai wetland.
- Stakeholder group and interested parties are currently working together to develop a final concept for this project. This is a 2.5 – 3-year project.
- Allowing drainage works and planting programme to work together.
- Vermin controls are supported.

Stakeholders Representative - Communication between HDC Land Drainage and WRC

It was confirmed that Gavin Laurich be the Western Plains Committee representative on the WRC lead Piako Green Corridor project.

Action: Council Secretary to email all member's contact details to Karen to allow her to send information on WRC shovel ready projects to all members.

WRC Operational Updates: Steve Clark, WRC - Works Supervisor

- Stopbank – top up trial completed at Ngatea and is being monitored.
- Holding off doing Piako floodgates as there is no water inside the gates.

- Paul Leonard pump discharge pipe successfully relined. Has been checked and has shown to be working well.
- Next financial year – timber retaining at Rawerawe pump station.

HDC Staff Update

EJ Wentzel, Utilities Manager introduced himself and Guy Russell, Land Drainage Contractor, to the committee for those members that were absent at the last meeting. The members were advised that Guy has extensive knowledge and expertise in the land drainage area over many years.

DISTRICT DRAINAGE REPORT – FEBRUARY-MARCH 2021 AND FINANCIAL REPORT FOR THE PERIOD 8 MONTHS TO 28 FEBRUARY 2021 – 2936191

RESOLVED

THAT the report be received.

WPDD21/37

Karl/Paterson

CARRIED

HDC Drainage Overseer Update – Operational

The Drainage Overseer provided a summary of activity since the last meeting.

- Weed regrowth spraying programme continues.
- Replaced Van Eyk floodgate steel work
- Smyth’s floodgate – Feeder drain has been desilted and cleaned. A structural audit was undertaken on the floodgate asset where it was found to be in structurally sound condition so there is no requirement for its replacement. This funding can now be utilised elsewhere.
- Low pump running hours.
- A contract to excavate silt from the borrowpit from Indian floodgate to Karito canal has been evaluated and a preferred contractor recommended.
- The contract to upgrade the stopbanks along the Karito canal and the Hot Springs canal has been let to KTL Ltd. Work will be undertaken in October – November 2021.
- Floodgate works to lengthen the pipes will commence at Miranda hot pools prior to the stopbank upgrading work.
- The overhaul of one of the Hopai West pumps has been completed and the pump will be reinstated next Wednesday, 12 May. Once installed, work will start on the discharge pipe.
- Spoke on new machinery – digger (Kubota) purchased.

Re-naming of Land Drainage Committees

The members inquired into the status of the proposed name change of the drainage committees to align with a more climate change focus.

The matter has not yet been considered by Council. A suggestion has been received that the name be changed to the Land/Water/Drainage Management Committees. It was advised that a submission has also been received through Council’s Long Term Plan consultation process suggesting the name be changed to ‘Water Management’ Committees but it was considered that this name does not clearly reflect the true purpose and role of the Committees.

Further consideration on the name change will be sought from the Committee along with input from the Utilities Manager and Group Manager - Service Delivery.

Member's feedback on drainage matters in their areas:

The members were invited to raise any matters requiring consideration within their designated drainage areas.

There were no matters raised.

The meeting closed at 11.58am.

CONFIRMED

B A Carter
Chairperson

05 August 2021

FOR INFORMATION NGĀ MŌHIOTANGA



TO	Western Plains Drainage District Committee
AUTHOR	EJ Wentzel Utilities Manager
FILE REFERENCE	Document: M2964209 Appendix A: Financial Report Appendix B: Pump & Rainfall statistics
PORTFOLIO HOLDER/S	Councillor Phillip Buckthought Land Drainage and Flood Protection Portfolio
MEETING DATE	Thursday, 5 August 2021
SUBJECT	Western Plains District Drainage Activity Report - April to June 2021

1 SUMMARY | TE WHAKARĀPOPOTANGA

Rainfall was low again in April, picked up a bit during May and June but was still less than average. Total rainfall for the 2020/21 year was 778mm, which is the lowest recorded on the records provided since 1993. Again, few drainage issues have been reported.

Spraying and the mechanical cleaning programme continued into June to be completed for the financial year.

2 RECOMMENDATION | TE WHAIKUPU

THAT the report be received.

3 PURPOSE | TE ARONGA

The purpose of the report is to give the Committee an update on the operations and capital work pertaining to the Land Drainage and Flood Protection activity in the Western Plains.

4 BACKGROUND | TE KŌRERO Ā MUA

Hauraki District Council provides infrastructure for the land drainage activity in conjunction with the Waikato Regional Council. The land drainage network is comprised of pump stations, stopbanks, flood gates and land drains. It will soon be extended to include toe drains which are currently held by the Regional Council.

In general assets are classified as flood protection (primary) or drainage (secondary) assets where Waikato Regional Council own the flood protection assets and Hauraki District Council own the drainage assets. The land drainage service is provided to over 47,000 ha of highly productive pastoral land and the activity aims primarily to ensure the productive capability of the land.

5 ACTIVITY UPDATE

Comments on expenditure: Financial year to date

Financial statements are noted below. These reports are an early Draft as the final approved reports for the end of the 2020/2021 year have not yet been approved.

The **Operations** report follows.

Vegetation Control:

There were no drains sprayed during April. There were 33.13kms of drain sprayed in May and 15.72kms of drains sprayed in June. A total of 326.26kms have so far been sprayed in the year to date.

Mechanical Cleaning:

There has been no drains machine cleaned during April. During May there were 5.190kms of drains machine cleaned and in June there were 18.21kms of drains machine cleaned. The total cleaned for the 2020/21 year was 25.9km of the 39.1km proposed.

Other works:

Routine maintenance was carried out in the district on fencing and culverts during April to June. The hanger bars on the Vanike floodgate were replaced and Smythe floodgate had a complete structural audit carried out in April. The audit found the floodgate structure to be in reasonably good condition for its age. Smythes (internal) drain was also desilted.

During May a tree was removed from Southern drain. In June the Tako's culvert was cleared, and a blockage in a Patetonga roadside drain was cleared. The debris trap at Mangawhero was cleaned out and a silage bale was removed from a foreshore drain. There was no screen cleaning during April and June, but approximately 6 man-hours were spent screen cleaning in May.

Pump Operation (Appendix B)

Regular inspection runs were undertaken during this period. There were 32 pump hours for April, 33 pump hours for May and 430 pump hours for June. The summary for the year to date is attached.

Rainfall (Appendix B)

The table and graphs of the Ngatea Monthly Rainfall depths since 1993 is attached. The rainfall for April was 39mm, for May was 94mm and June was 104mm.

The year to date total from July 1st 2020 is 778mm which is 70% of the average expected to the end of June and the lowest annual rainfall on record since 1993.

Bylaw Approvals

Bylaw approvals were granted in the period as follows:

- Culverts: G Leonard, 272 River Road, Ngatea; Brouke Drain
- Other: Nil

Subdivisions Commented

Subdivisions commented on during the period as follows:

- Nil

Capital Works Programme

The Capital Works programme consists of:
 Assessing and raising stopbanks
 Refurbishing pumps and pump screens

The Contract for the upgrading of the Karito and Hot Springs canal stopbanks has been awarded to KTL Ltd. Construction has been deferred until weather and ground conditions improve in Spring.

The excavation of the foreshore silt trap from Waitakaruru to the Karito Canal has also been awarded to KTL Ltd. This work will commence at the end of July and continue through to December to suit the 22m long reach excavator programme.

The overhauled pump from the Hopai West pumpstation has been reinstalled. The pipework between the pump and the concrete headwall has also been upgraded and the pumpstation is now fully operational.

6 APPROVAL

Prepared by	EJ Wentzel Utilities Manager
Approved by	Adrian de Laborde Service Delivery Manager

APPENDIX A - Financials

Western Plains Drainage District						
Financial Report for 12 months to 30 June 2021						
Item	Total Budget	Budget YTD	Actual YTD	Variance	Actual % of YTD Budget	Actual % of Total Budget
DRAINAGE OPERATIONS						
Vegetation Control						
Area 1	66,000	11,000	9,311	1,689	85%	14%
Area 2	0	0	7,586	(7,586)		
Area 3	0	0	13,311	(13,311)		
Area 4	0	0	14,270	(14,270)		
Area 5	0	0	8,078	(8,078)		
Area 6	0	0	10,882	(10,882)		
TOTAL	66,000	11,000	63,438	(52,438)	577%	96%
Mechanical Cleaning						
Area 1	123,000	123,000	3,196	119,804	3%	3%
Area 2	0	0	1,399	(1,399)		
Area 3	0	0	0	0		
Area 4	0	0	6,025	(6,025)		
Area 5	0	0	3,006	(3,006)		
Area 6	0	0	21,290	(21,290)		
TOTAL	123,000	123,000	34,916	88,084	28%	28%
Maintenance/Fencing/Culverts						
Area 1	5,430	5,430	2,278	3,152	42%	42%
Area 2	0	0	344	(344)		
Area 3	0	0	0	0		
Area 4	0	0	695	(695)		
Area 5	0	0	0	0		
Area 6	0	0	563	(563)		
TOTAL	5,430	5,430	3,881	1,549	71%	71%
TOTAL DRAIN MAINTENANCE	194,430	139,430	102,235	37,195	73%	53%
Pumps						
General	30,000	30,000	22,922	7,078	76%	76%
WPDD Pumps	100,000	100,000	68,904	31,096	69%	69%
TOTAL	130,000	130,000	91,827	38,173	71%	71%
Floodgates						
(D)	11,000	11,000	7,303	3,697	66%	66%
TOTAL	11,000	11,000	7,303	3,697	66%	66%
Stopbanks						
(D) Tributary Banks	0	0	0	0		
TOTAL	0	0	0	0		

Other						
Weather Events	3,158	3,158	0	3,158	0%	0%
Business Unit Charge Allocation		0	0	0		
Asset Liaison	4,211	4,211	8,856	(4,645)	210%	210%
Data Collection		0	5,085	(5,085)		
Data Maintenance	4,211	4,211	2,450	1,761	58%	58%
Design		0	0	0		
Drain Inspection	7,897	7,897	10,786	(2,889)	137%	137%
Pump Operation	0	0	0	0		
Rates	0	0	0	0		
Appointed Member Expenses	0	0	0	0		
Meeting Expenses	4,738	4,738	2,385	2,353	50%	50%
Insurance	3,158	3,158	4,158	(1,000)	132%	132%
TOTAL	27,373	27,373	33,720	(6,347)	123%	123%
TOTAL OPERATING	362,803	307,803	235,085	72,718	76%	65%
Overheads						
Overheads	107,448	107,448	107,668	(220)	100%	100%
TOTAL	107,448	107,448	107,668	(220)	100%	100%
Depreciation						
Depreciation (D)	134,943	134,943	0	134,943	0%	0%
Depreciation (P)	0	0	0	0		
TOTAL	134,943	134,943	0	134,943	0%	0%
Interest						
Interest (D)	(40,435)	(40,435)	(40,435)	0	100%	100%
TOTAL	(40,435)	(40,435)	(40,435)	0		0%
TOTAL EXPENDITURE	564,759	509,759	302,318	207,441	59%	54%

FLOOD PROTECTION OPERATIONS						
Floodgates						
(F1)	5,000	5,000	9,440	(4,440)	189%	189%
(F2)	1,500	1,500	2,841	(1,341)	189%	189%
TOTAL	6,500	6,500	12,280	(5,780)	189%	189%
Stopbanks						
(F1) Waitak Stm Left Bank	632	632	0	632	0%	0%
(F1) Foreshore	0	0	410	(410)		
(F1) Miranda	526	526	290	236	55%	55%
(F1) Karito/Hill Catchment	0	0	0	0		
(F2) Maukoro Left Bank	0	0	0	0		
(F2) Waitak Stm Right Bank	2,211	2,211	0	2,211	0%	0%
(F2) Gubbs Outlet Bank	0	0	0	0		
TOTAL	3,369	3,369	700	2,669	21%	21%
Depreciation						
Depreciation (F1)	29,989	29,989	0	29,989	0%	0%
Depreciation (F2)	10,982	10,982	0	10,982	0%	0%
TOTAL	40,971	40,971	0	40,971	0%	0%
Interest						
Interest (F1)	10,829	10,829	10,829	0	100%	100%
Interest (F2)	(3,689)	(3,689)	(3,689)	0	100%	100%
TOTAL	7,140	7,140	7,140	0	100%	100%
TOTAL FLOOD PROTECTION	57,980	57,980	20,120	37,860	35%	35%
TOTAL EXPENDITURE	622,739	567,739	322,439	245,300	57%	52%
INCOME						
Rates Funding WPDD (D)	(562,003)	(562,003)	(562,003)	0	100%	100%
Rates Funding WPDD (F1)	(65,429)	(65,429)	(65,429)	0	100%	100%
Rates Funding WPDD (F2)	(6,527)	(6,527)	(6,527)	0	100%	100%
Opening Balance as at 01/07/2020	(2,486,230)					

APPENDIX B

Western Plains Drainage District – Pump Running Hours 2020-2021

PUMP HOURS RUN														
Western Plains DD	Jul-20	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Average
No 5 Rawe Rawe East	51	45	9	0	0	0	0	0	0	0	0	0	105	294
No 6 Ngatea	2	55	7	8	5	0	0	0	0	0	7	3	87	105
No 7 Kaihere	75	16	0	0	0	0	0	0	0	0	0	25	116	547
No 8 Torehape	60	12	0	0	0	0	0	0	0	0	0	0	72	370
No 9 Phillips Road	92	36	8	0	0	0	1	0	0	0	0	1	138	454
No 11 Robinson	11	16	31	0	0	0	0	0	0	0	0	0	58	200
No 12 Julians	94	45	7	7	0	0	0	0	0	0	0	0	153	327
No 17 Pouarua No 1/1	238	116	22	8	35	0	0	0	0	0	0	0	419	780
Pouarua No 1/2	375	343	174	0	51	0	0	0	0	0	0	0	943	720
No 18 Stitchbury	64	21	2	0	0	0	0	0	0	0	0	0	87	235
No 21 Appletree/1	91	94	0	0	1	0	0	0	0	0	0	0	186	480
Appletree/2	56	22	0	0	0	0	0	0	0	0	0	0	78	416
No 22 Paul Leonard	0	0	0	0	0	0	0	0	1	24	0	0	25	136
No 23 Ngarua Central	69	34	3	0	0	0	1	0	0	0	0	23	130	328
No 24 Mangawhero/1	46	87	47	8	12	0	4	0	3	0	0	128	335	579
Mangawhero/2	171	47	1	0	0	0	1	0	4	0	0	0	224	644
No 25 Waikaka North	64	40	10	1	4	0	0	0	49	1	8	35	212	322
No 26 Waikaka South/1	0	1	0	0	2	0	2	0	6	0	0	1	12	475
Waikaka South/2	166	111	31	12	17	0	14	2	8	7	18	97	483	532
No 27 Pouarua No 2/1	45	0	0	0	0	0	0	0	0	0	0	0	45	324
Pouarua No 2/2	93	49	0	0	24	0	0	0	0	0	0	19	185	366
No 29 Rawe Rawe West	139	111	23	1	15	0	0	0	0	0	0	0	289	548
No 70 Miranda/1	126	158	7	0	5	0	0	0	0	0	0	20	316	524
Miranda/2	48	7	0	0	0	0	0	0	0	0	0	0	55	513
No 73 Hopai West/1	0	0	0	0	0	0	0	0	0	0	0	8	8	438
Hopai West/2	137	113	28	8	22	0	5	0	0	0	0	14	327	324
No 74 Martinovich/1	62	42	18	6	15	0	3	0	0	0	0	39	185	202
Martinovich/2	89	65	29	14	25	0	4	0	0	0	0	17	243	195
No 75 Central North/1	20	26	0	0	1	0	0	0	0	0	0	0	47	136
Central North/2	0	8	0	0	0	0	0	0	0	0	0	0	8	57
TOTAL	2484	1720	457	73	234	0	35	2	71	32	33	430	5571	11568

21 Stations

30 Pumpsets

48%

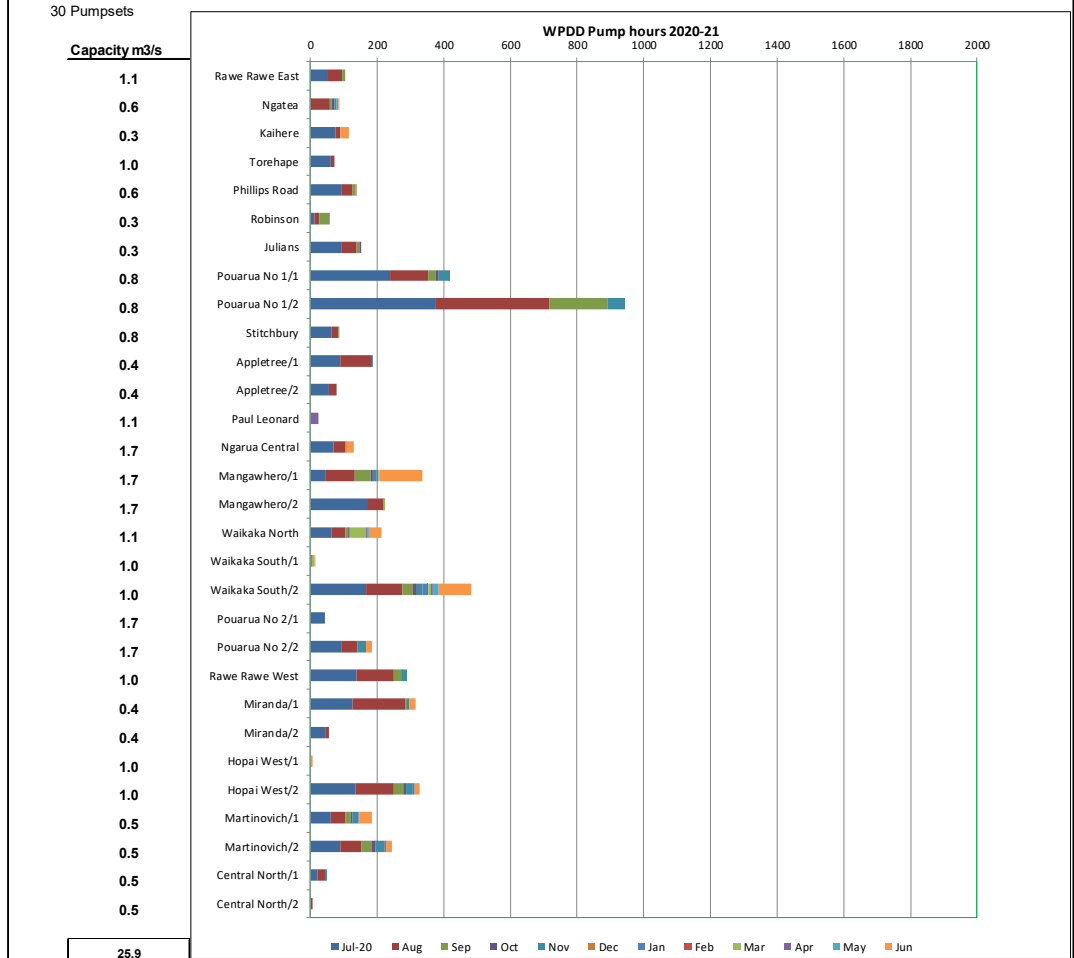


Figure 1

Western Plains Drainage District – Annual Pump Running Hours

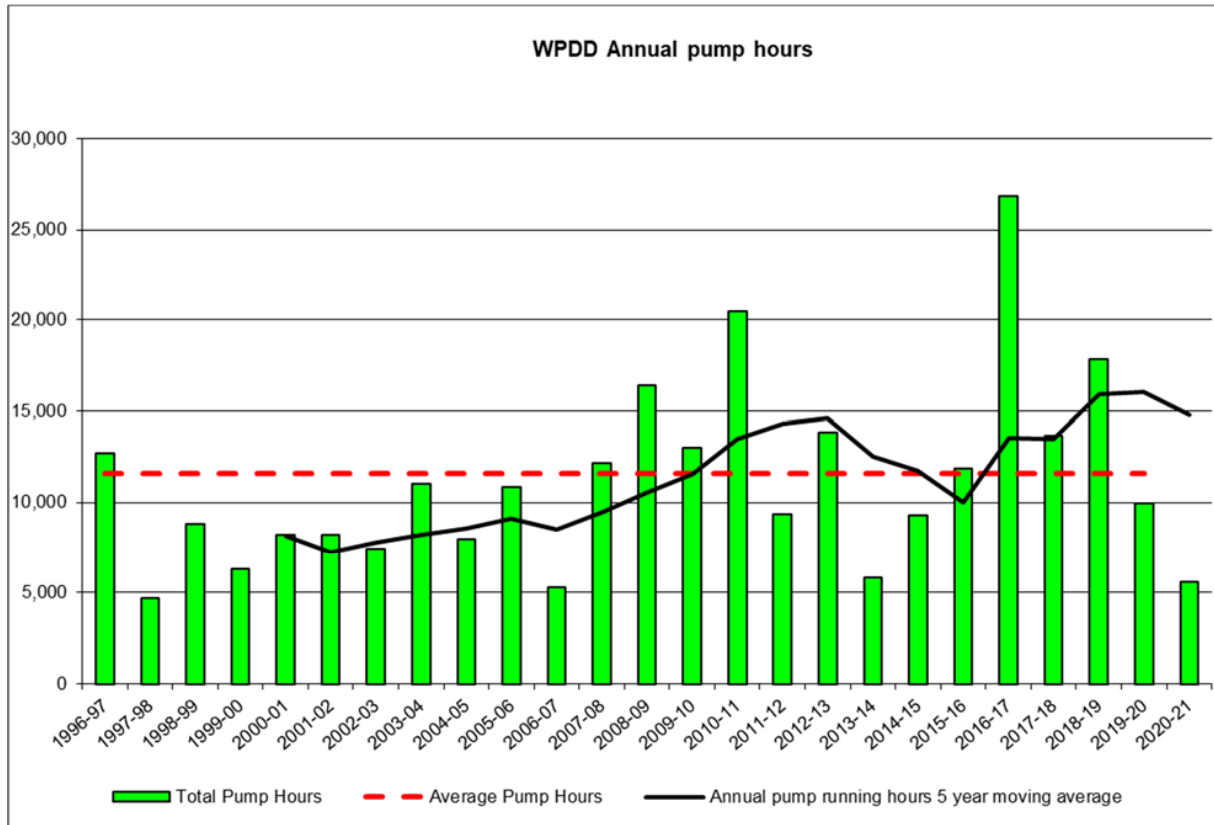


Figure 2

Annual Pump Running Hours – All Districts

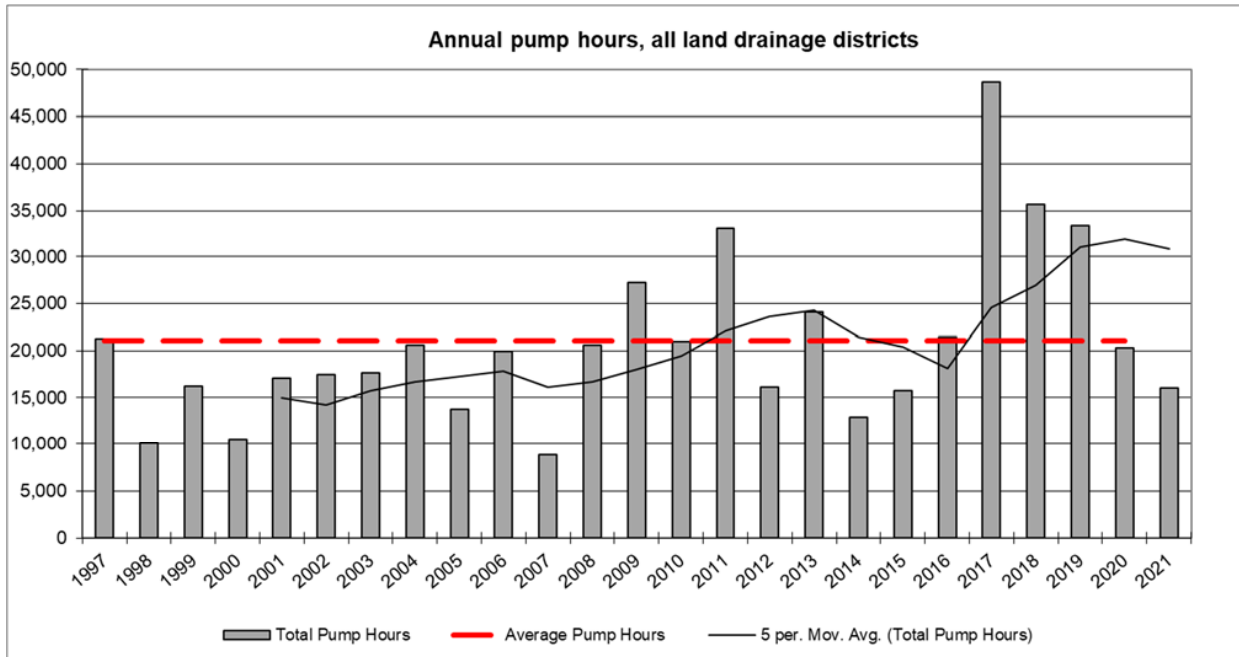


Figure 3

Rainfall

Ngatea Monthly Rainfall													Haywards Road (to 1999). HDC Depot (2000 on)	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	
1993	36.0	28.5	95.0	50.0	123.0	181.5	8.0	111.0	58.0	37.0	100.0	28.5	857	
1994	81.0	47.5	51.5	64.0	78.0	116.0	155.0	100.5	153.0	112.5	30.0	26.5	1016	
1995	37.0	71.0	196.5	245.5	88.5	181.0	203.5	74.0	73.0	94.0	136.5	128.5	1529	
1996	29.5	89.5	88.5	227.5	82.0	166.5	137.5	147.0	149.0	34.0	72.5	222.0	1446	
1997	4.5	51.0	195.0	58.0	97.5	138.5	64.5	65.5	221.5	61.0	39.0	49.0	1045	
1998	12.0	97.0	67.0	48.0	56.5	97.0	299.0	104.0	48.0	100.0	85.0	89.0	1103	
1999	81.0	28.0	81.0	91.0	45.0	94.5	142.0	132.0	88.0	53.0	206.5	109.5	1152	
2000	60.0	11.5	52.5	171.0	85.0	75.5	154.5	114.0	97.5	48.0	96.5	79.0	1045	
2001	16.5	156.5	49.0	169.0	165.5	50.0	74.5	121.0	47.5	134.0	114.0	177.0	1275	
2002	117.0	39.5	50.5	62.0	61.0	168.5	135.0	79.0	75.5	73.0	34.5	54.0	950	
2003	110.0	105.0	102.0	134.0	73.0	124.5	101.5	58.5	155.0	107.0	36.5	111.5	1219	
2004	98.5	230.0	11.5	21.0	175.5	106.5	120.5	112.0	119.0	80.0	56.0	130.5	1261	
2005	30.5	32.0	32.5	7.0	147.5	118.0	152.5	59.0	87.0	145.5	65.5	107.0	984	
2006	37.0	47.5	34.5	120.0	82.0	86.0	76.0	108.0	57.0	90.5	64.0	36.0	839	
2007	56.0	27.0	146.0	45.0	41.0	92.0	281.0	95.0	68.5	76.0	40.0	53.0	1021	
2008	2.0	35.0	40.5	146.5	71.0	152.5	253.0	166.0	52.0	94.0	47.0	61.0	1121	
2009	59.0	120.0	30.0	72.0	91.0	150.0	124.0	91.0	85.0	119.0	35.0	81.0	1057	
2010	63.0	4.0	13.0	44.0	139.0	230.5	90.0	229.0	146.0	18.0	28.0	62.0	1067	
2011	270.0	9.0	172.0	85.0	101.0	110.0	127.0	57.0	74.0	76.0	15.0	157.0	1253	
2012	63.0	82.0	130.0	39.0	111.0	52.0	179.0	130.0	85.0	69.0	71.0	64.0	1075	
2013	2.0	17.0	23.0	128.0	162.0	117.0	48.0	122.0	133.0	41.0	104.0	96.0	993	
2014	41.0	8.0	35.0	98.0	42.0	237.0	109.0	110.0	137.0	73.0	50.0	72.0	1012	
2015	10.0	44.0	79.0	114.0	136.0	59.0	121.0	185.0	96.0	51.0	125.0	19.0	1039	
2016	103.0	167.0	39.0	51.0	96.0	137.0	152.0	100.0	162.0	82.0	66.0	50.0	1205	
2017	24.0	107.0	341.0	255.0	142.0	63.0	131.0	98.0	127.0	117.0	50.0	9.0	1464	
2018	100.0	213.0	49.0	127.0	106.0	175.0	116.0	119.0	46.0	134.0	93.0	228.0	1506	
2019	21.0	15.0	40.0	98.0	52.0	59.0	128.0	157.0	105.0	84.0	40.0	54.0	853	
2020	10.0	15.0	43.0	25.0	83.0	264.0	85.0	116.0	43.0	23.0	114.0	30.0	851	
2021	47.0	33.0	50.0	39.0	94.0	104.0							367	
Ave.	56	67	81	98	97	128	135	113	100	80	72	85	1090	
Max	270	230	341	255	176	264	299	229	222	146	207	228	1529	
Min.	2	4	12	7	41	50	8	57	43	18	15	9	839	

Figure 4

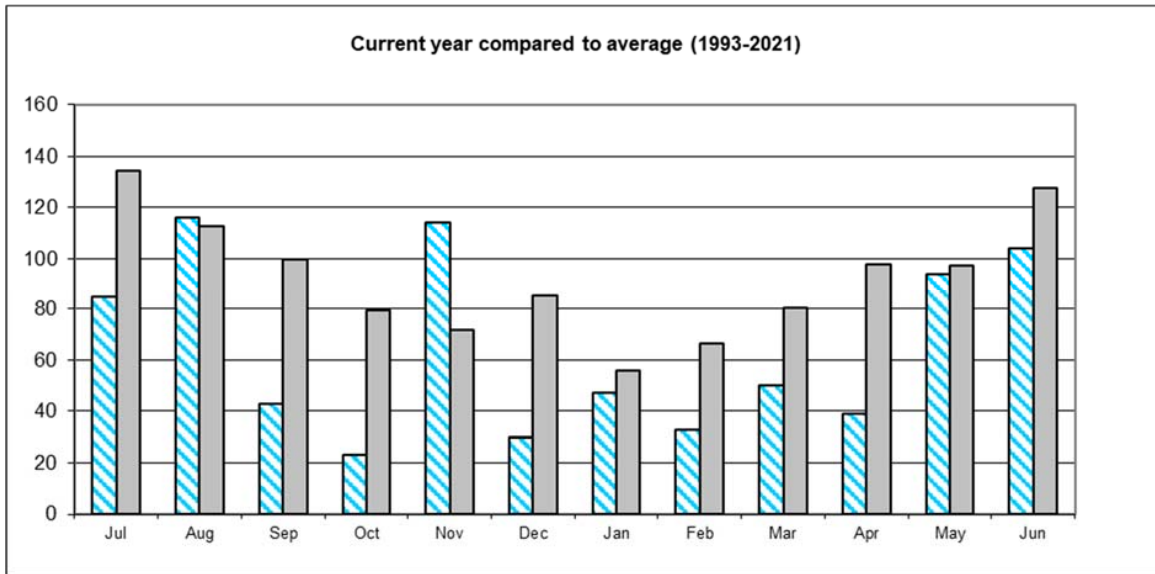


Figure 5

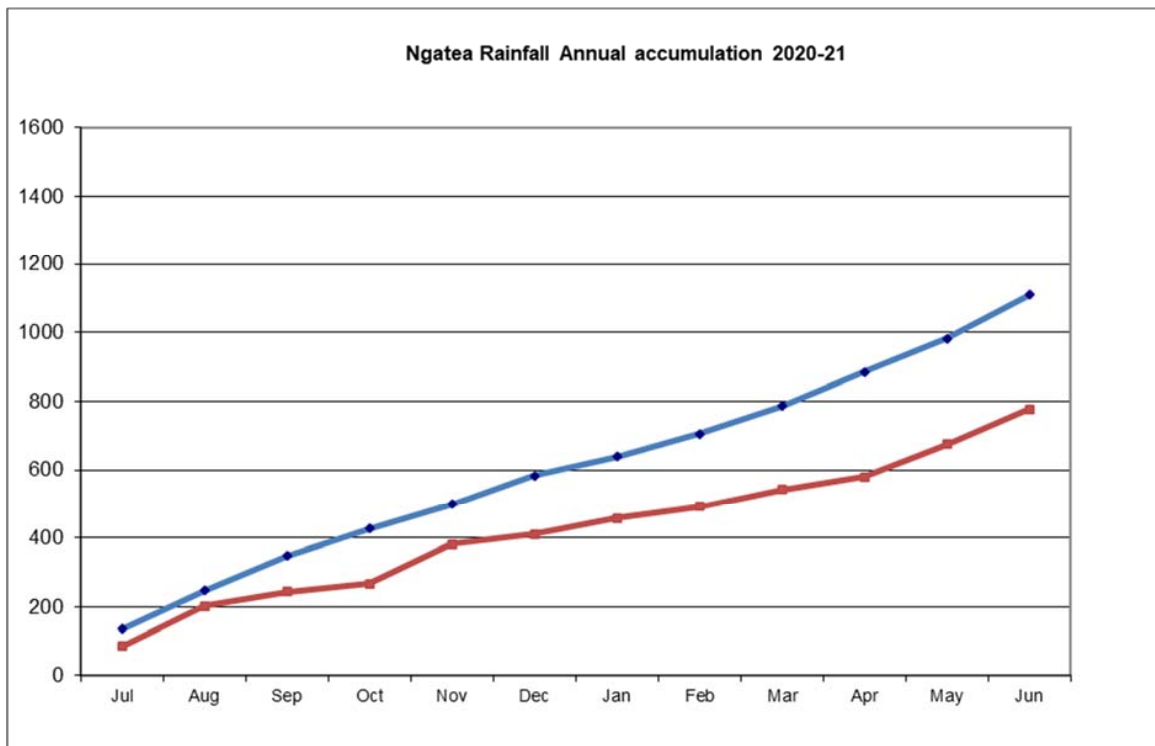


Figure 6