



AGENDA

WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE MEETING

Thursday, 01 November 2018, 10.30am
Council Chamber, Council Office, William Street, Paeroa



Membership

Committee Members:

His Worship the Mayor
B A Carter (Chairman)
P A Leonard
H van Eyk
G Laurich
B A Keane
P Paterson
B Pirie
P Johnstone
R D Young

Council Rep:

D H Swales

Councillors (alternates):

J H Thorp
P Buckthought

Staff:

S de Laborde
B Stephens
A de Laborde
Council Secretary

Hauraki District Council, P O Box 17, William Street Paeroa, New Zealand
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Delegations: **Western Plains Drainage Committee (WPDD)**

Membership	<p>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
Meeting frequency	The first Thursday in the month commencing at 10.30am

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 Committees 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, 01 November 2018 – 10.30am

Council Chamber, Council Office, William Street, Paeroa

<u>Order of Business</u>	Pages
1. Apologies.	
2. Declarations of Late Items.	
3. Confirmation of Minutes – (04-10-18) (2477307)	5
4. Drainage Manager Report for September 2018 and Financial Report for the period 3 months to 30 September 2018 (2472366)	10
5. Member’s feedback on drainage matters in their areas.	

HAURAKI DISTRICT COUNCIL

WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE

MINUTES OF A MEETING OF THE WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE HELD IN THE COUNCIL CHAMBERS, WILLIAM STREET, PAEROA ON THURSDAY, 04 OCTOBER 2018 COMMENCING AT 10.30 AM

APOLOGIES

PRESENT

Messrs B A Carter (Chairperson), G Laurich, B Pirie, P Leonard, P Johnstone, H Van Eyk, R Young and Cr D H Swales (Council Rep)

IN ATTENDANCE

Kenny Growden (WRC Team Leader | Hauraki/Coromandel, Integrated Catchment Management), Cr P Buckthought and Cr J Thorp (alternate Council reps.), A de Laborde (Group Manager – Engineering Services), S de Laborde (Infrastructure Systems & Planning Manager), B Stephens (Drainage Overseer) and Ms C Black (Council Secretary)

RESOLVED

THAT the apology of B Keane and P Paterson be received and sustained.

WPDD18/23

Swales/Laurich

CARRIED

LATE ITEMS

RESOLVED

THAT pursuant to Section 46A(7) of the Local Government Official Information and Meetings Act 1987, the following late items be accepted for discussion.

- Pauls Wharf Floodgate Next Steps

The item was not on the agenda because the item was unavailable at the time of the agenda deadline.

Discussion on the item could not be delayed because consideration of the matter required feedback from the Committee as soon as practicable.

WPDD18/24

Laurich/Swales

CARRIED

CONFIRMATION OF MINUTES

MINUTES OF THE MEETING OF WESTERN PLAINS DISTRICT DRAINAGE COMMITTEE HELD ON THURSDAY, 02 AUGUST 2018 (2439518)

RESOLVED

THAT the minutes of the meeting of the Western Plains Drainage District Committee held on Thursday, 02 August 2018 be taken as read and confirmed.

WPDD18/25

Buckthought/Laurich

CARRIED

MATTERS ARISING FROM THE MINUTES

Speedy Farms – Orchard East Road, Ngatea – Flood Water not draining through Culvert under SH2

Steve de Laborde advised he has written to Mike Speedy regarding the flood water issues and culvert under SH2 but has not received a response as yet.

Laurich and Ken Jones Property – Request for Private Drain to become Council Drain

Steve de Laborde has written a letter to Ken Jones but to date has not received a response regarding the request for Laurich and Jones private drain to become Council drain.

Mangawhero Road Flume

The Group Manager – Engineering Services reported that he has completed an inspection of the flume and has suggested remedial options to Steve de Laborde and the Drainage Overseer. A report will be provided to the next meeting in November updating the Committee on the options being considered.

Rawerawe Pump

Brian Carter asked if this pump is going to be removed.

The Drainage Overseer advised in November it will be removed, or alternatively, will be dealt with in January/February weather permitting.

Kenny Growden attended the meeting at 10.45am.

Capital Works – Stopbanks

Renewal Land Drainage. Harry van Eyk queried the rating for 'F2' area for flood protection. Adrian de Laborde explained that the rate does not have the same level of service as the 'F1' area and thus pays a lower rate. Harry queried the design height of stopbanks on the true left bank of the Maukoro Canal / Canal West Road. Group Manager will investigate design height of stopbank. Roading needs to be incorporated in this work (raising road/stopbank).

The Group Manager agreed to investigate the level of protection for the 'F1' and 'F2' areas.

The Asset Manager will present the capital works programme to the next meeting.

WRC Report –Kenny Growden

Kenny Growden provided an update of WRC works to date.

Maukoro Canal to SH2

Maintenance of desilting in November commencing. Consent allows this to be carried out every 4 years.

Pouarua Pump Station – Upgrade

The pump station will be installed in November. No. 10 outlet has been desilted recently. Gates will be replaced for better flood action.

Ngatea Town Discharge Pipe

Geotech evaluation has been undertaken by Tonkin and Taylor. Further assessment of the stopbank is required.

LATE ITEMPauls Wharf Floodgate Next Steps (2475610)

Kenny Growden tabled a report on the Pauls Wharf Floodgate.

RESOLVED

THAT the WRC update Pauls Wharf Floodgate next steps report (dated 3 October 2018) be received.

WPDD18/26

Johnstone/Pirie

CARRIED

The report provided an update on the developments related to the Pauls Wharf floodgate. Kenny provided the 'next steps' proposed in the process to address the issues with the floodgate.

1. The Pauls Wharf floodgate on River Road Ngatea, was programmed for replacement due to structural audit results in 2016. Due to contractual issues this did not progress.
2. Recent stability issues related to the stopbank for where this floodgate is positioned has initiated a review of options.
3. It is acknowledged that there is significant risk in opening up the stopbank at this location, resulting in the decision to look for alternatives to transfer the water elsewhere.
4. Catchment modelling has been undertaken which proves that the alternative is technically achievable, with adjustments to the drain and culverts.
5. The decision is a medium term alternative, which does not preclude other longer term solutions to be implemented in the future.
6. A meeting with affected landowners was undertaken on 3rd October 2018. At this meeting a number of concerns related to foreign water moving into this catchment was raised. The preferred solution is to move the water away from the current Pauls Wharf floodgate location to the Rawerawe floodgate. This requires some regrading of the drain between the two and the replacement/realignment of 5 culverts.
7. This is not a WRC Piako Scheme function but believed this was the best alternative.
8. The local landowner concerns require investigation, this needs to be supported by I-IDC.
9. The drain is not a WRC asset therefore they seek support from the owner, Hauraki District Council (HDC) through the WPDD committee to achieve this.
10. The project is required to be completed this summer to mitigate ongoing concerns.
14. WRC's responsibility lies in providing the Drainage Manager, being HDC, with an outlet for the drainage network. In this instance, WRC would like to use the Rawerawe floodgate/Pumpstation as the outlet.
15. HDC's responsibility lies with the maintenance of the drainage network including drainage pump stations. Therefore all steps required to move the water to the outlet.
16. Staff will follow-up on review of concerns raised by local landowners.
17. WRC staff will report back to the WPDD committee at the next available meeting with a formal proposal.

The works identified are medium term solutions which do not preclude other longer term future options.

WRC requires the approval of the WPDD Committee for the works outlined to enable this solution to be undertaken.

Muggeridge Pump Update

Kenny Growden and Adrian de Laborde advised that WRC are still finalising the construction cost estimates. A steering group has been established to review the project, this group will make the final decision on the project. The design has been completed but more detailed cost estimates are required.

Waitakaruru Stream - Blockage

Kenny Growden to present an update report on what is causing the blockage in the Waitakaruru stream to the November meeting.

DISTRICT DRAINAGE ACTIVITY REPORT FOR THE MONTH OF AUGUST 2018 AND FINANCIAL REPORT (FOR THE 2 MONTHS TO 31 AUGUST 2018 (2466934))

The Infrastructure Systems & Planning Manager presented the Western Plains District Drainage Report for August 2018.

RESOLVED

THAT the Drainage Report for the month of August 2018 and the financial report on the operations of the Western Plains District Drainage Area for the 2 months to 31 August 2018 be received.

WPDD18/27

Pirie/van Eyk

CARRIED

Financial Reporting

It was requested that finance staff be invited to attend the next meeting to explain financial summaries to the Committee members.

Group Manager – Corporate Services, Duncan Peddie or other staff member to be invited.

GENERAL BUSINESS:

Member's comments:

Harry van Eyk – farmer's need to be reminded not to use stopbanks for grazing over winter months. The Group Manager concurred with this comment.

Kenny advised that WRC have sent letters to lease holders requesting that they do not graze the stopbanks over winter. If damaged, they need to be repaired, if not, they will lose their right to use the stopbank.

Legally the 'asset owner' has the right to control the stopbanks.

Ross Young – Mangawhero Flume – asked why no action has been taken to address the issues of the flume.

The Group Manager – Engineering Services responded that staff will review the report presented to the committee previously and report back further on progress to the November meeting.

The meeting closed at 12.10pm.

CONFIRMED

B A Carter
Chairperson

1 November 2018



Information Report

To: Western Plains Drainage District Committee
From: Infrastructure Systems and Planning Manager
Date: Thursday, 25 October 2018
File reference: Document M 2472366
Meeting date: Thursday, 1 November 2018
Subject: **WPDD Drainage Report September 2018**

Recommendation:

THAT the report be received.

This report covers the period to the end of September 2018.

1. OPERATIONS

1.1. Chemical spraying

A total of 5.08kms of drains (A48 & A55) have been sprayed in September and this is currently the year to date figure.

1.2. Machine cleaning

900m of drains have been machine cleaned in the finance year to date.

1.3. Maintenance/Fencing/Culverts

Routine maintenance items were undertaken.

1.4. Pump operation

Regular inspection runs were undertaken in this period. Pump hours for September were 1116.

The summary for the year to date is attached.

Approximately 30 man-hours were spent on weed screen cleaning in September.

1.5. Floodgates

Floodgate inspections were completed. Both the Boom South Floodgates were Re-rubbered. Duck Creek and Karls gates were cleared.

1.6. Stopbanks

No maintenance was undertaken.

2. CAPITAL WORKS:

The capital works consist of surveying and raising stopbanks and, refurbishing pumps and pump screens.

Progress to date has been focussed around project preparation and planning. An Engineer has been engaged to design and oversee the work on the Waitakaruru-Indian stopbank. Construction will commence as soon as the final design has been completed.

Hot Springs Canal has been surveyed and design work is being worked on currently. The other stopbanks are programmed to start in due course and will be reported on in the following months.

3. BYLAW APPROVALS

Bylaw approvals were granted in the period as follows:

3.1. Culverts: Nil

3.2. Other: Nil

4. SUBDIVISIONS COMMENTED ON

Subdivisions commented on during the period as follows:

Nil

5. RAINFALL

The table and graphs of the Ngatea Monthly Rainfall depths since 1993 is attached. The rainfall total for September was 46mm.

The year to date total from July 1st is 281mm which is 77% of the average expected to the end of September.

6. GENERAL

6.1. Drainage Bylaw Review

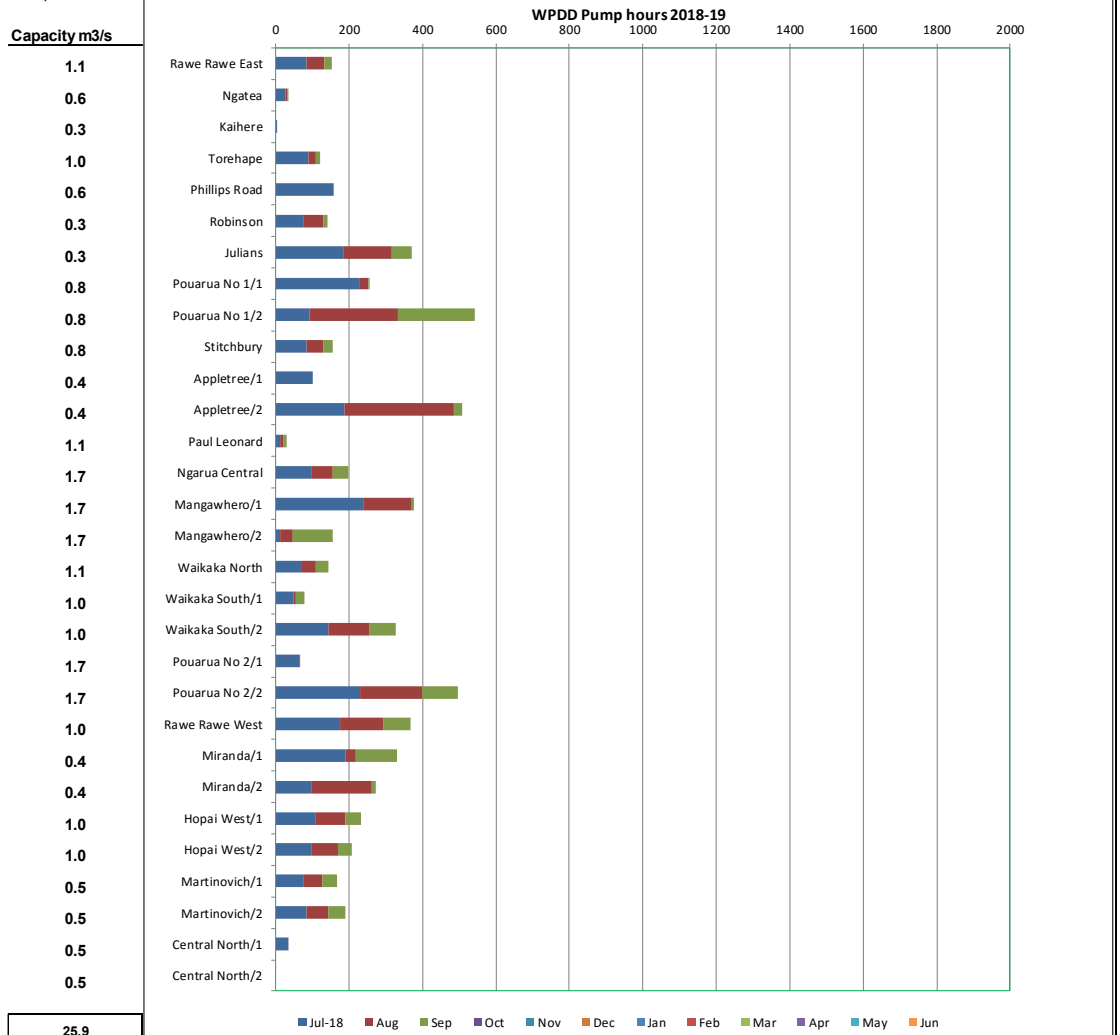
Members are invited to provide feedback on the bylaw.

Steve de Laborde
Infrastructure Systems and Planning Manager

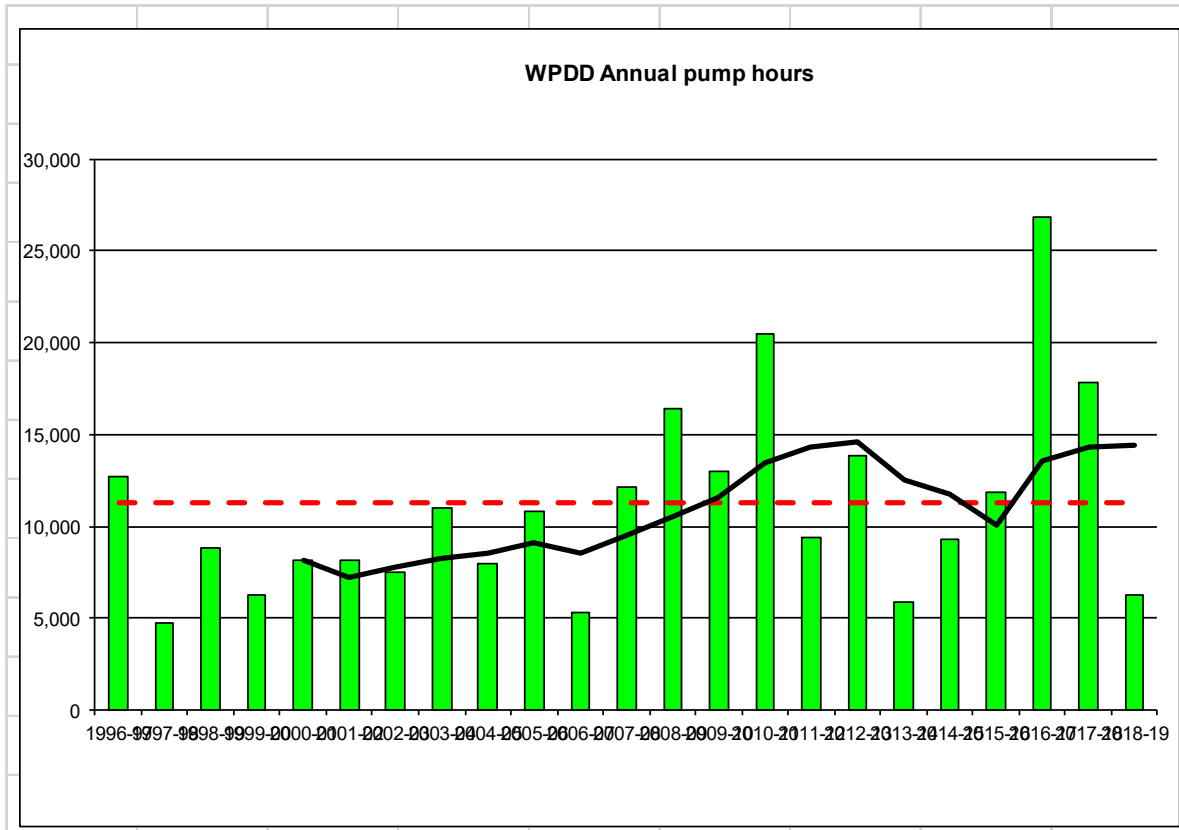
WESTERN PLAINS DRAINAGE DISTRICT – PUMP RUNNING HOURS 2018-19

PUMP HOURS RUN		Jul-18	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Average
Western Plains DD															
No 5	Rawe Rawe East	84	48	20	0	0	0	0	0	0	0	0	0	152	306
No 6	Ngatea	26	6	4	0	0	0	0	0	0	0	0	0	36	90
No 7	Kaihere	5	0	0	0	0	0	0	0	0	0	0	0	5	567
No 8	Torehape	90	20	11	0	0	0	0	0	0	0	0	0	121	364
No 9	Phillips Road	158	0	0	0	0	0	0	0	0	0	0	0	158	455
No 11	Robinson	75	54	12	0	0	0	0	0	0	0	0	0	141	183
No 12	Julians	184	131	56	0	0	0	0	0	0	0	0	0	371	327
No 17	Pouarua No 1/1	226	28	1	0	0	0	0	0	0	0	0	0	255	787
	Pouarua No 1/2	94	240	208	0	0	0	0	0	0	0	0	0	542	674
No 18	Stitchbury	84	45	27	0	0	0	0	0	0	0	0	0	156	198
No 21	Appletree/1	100	0	0	0	0	0	0	0	0	0	0	0	100	492
	Appletree/2	187	297	25	0	0	0	0	0	0	0	0	0	509	387
No 22	Paul Leonard	13	9	7	0	0	0	0	0	0	0	0	0	29	125
No 23	Ngarua Central	98	57	45	0	0	0	0	0	0	0	0	0	200	336
No 24	Mangawhero/1	239	132	5	0	0	0	0	0	0	0	0	0	376	575
	Mangawhero/2	13	33	111	0	0	0	0	0	0	0	0	0	157	636
No 25	Waikaka North	69	41	34	0	0	0	0	0	0	0	0	0	144	299
No 26	Waikaka South/1	49	7	23	0	0	0	0	0	0	0	0	0	79	478
	Waikaka South/2	145	112	70	0	0	0	0	0	0	0	0	0	327	539
No 27	Pouarua No 2/1	63	3	0	0	0	0	0	0	0	0	0	0	66	292
	Pouarua No 2/2	231	168	98	0	0	0	0	0	0	0	0	0	497	365
No 29	Rawe Rawe West	177	116	74	0	0	0	0	0	0	0	0	0	367	543
No 70	Miranda/1	189	31	110	0	0	0	0	0	0	0	0	0	330	510
	Miranda/2	99	164	10	0	0	0	0	0	0	0	0	0	273	510
No 73	Hopai West/1	110	81	42	0	0	0	0	0	0	0	0	0	233	407
	Hopai West/2	97	72	37	0	0	0	0	0	0	0	0	0	206	313
No 74	Martinovich/1	74	53	40	0	0	0	0	0	0	0	0	0	167	182
	Martinovich/2	85	59	46	0	0	0	0	0	0	0	0	0	190	185
No 75	Central North/1	36	0	0	0	0	0	0	0	0	0	0	0	36	127
	Central North/2	0	0	0	0	0	0	0	0	0	0	0	0	0	50
		3100	2007	1116	0	0	0	0	0	0	0	0	0	6223	11300

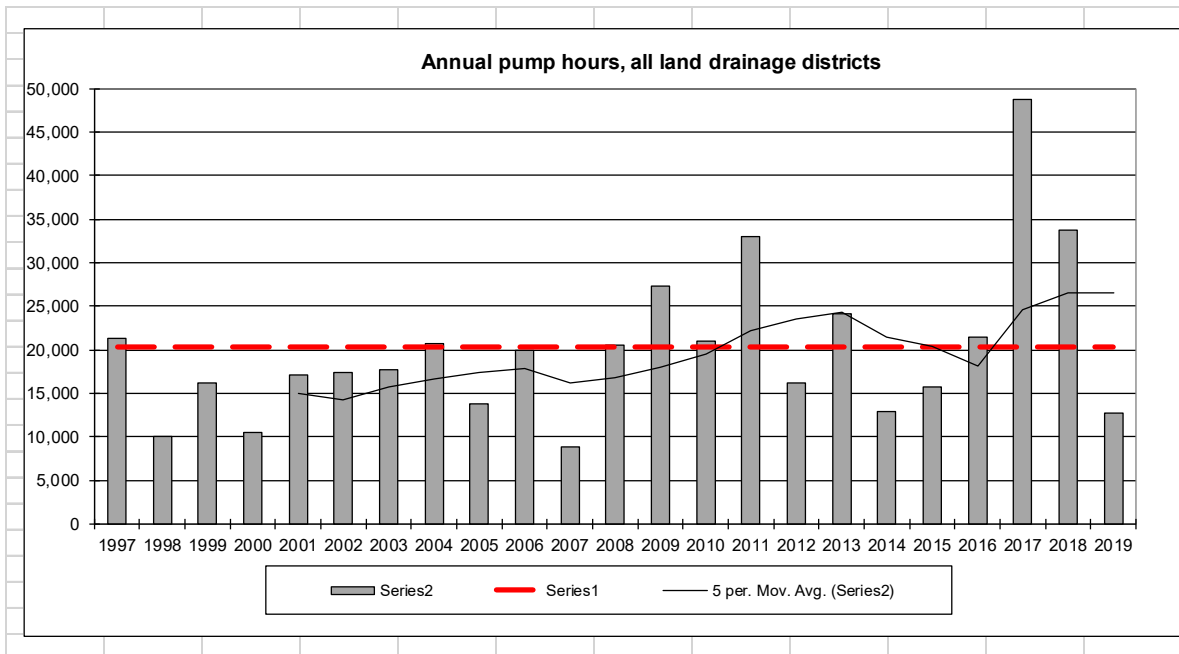
21 Stations
30 Pumpsets
55%



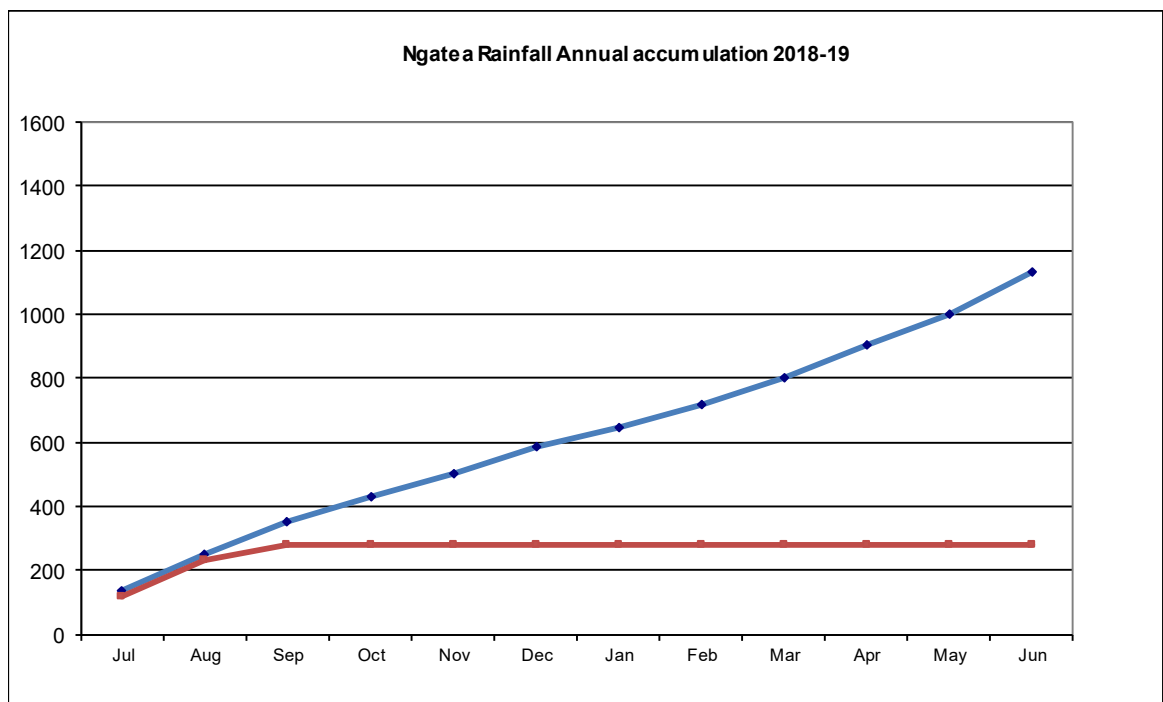
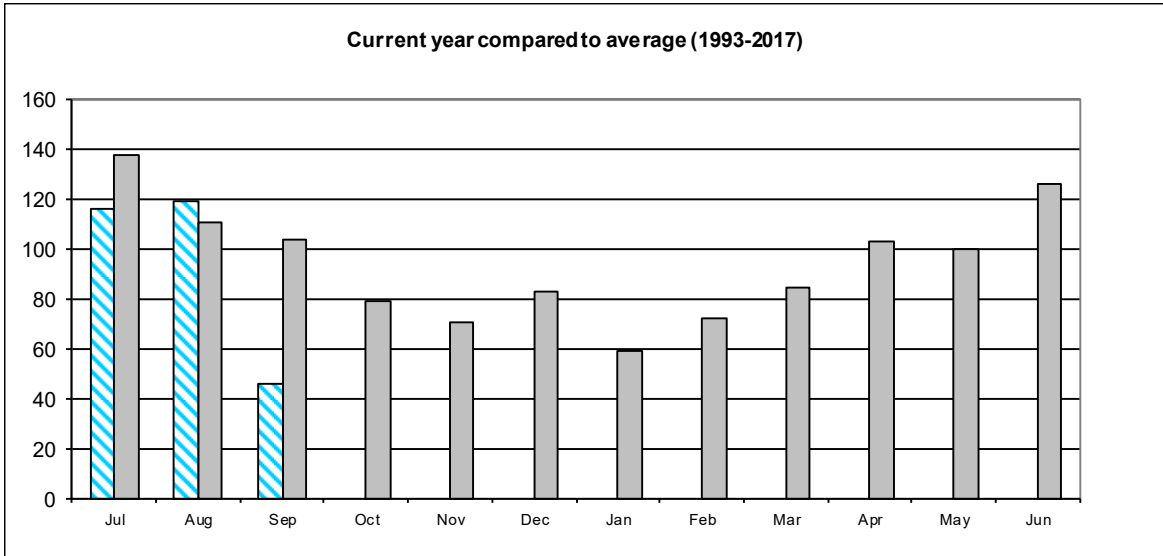
WESTERN PLAINS DRAINAGE DISTRICT - ANNUAL PUMP RUNNING HOURS



ANNUAL PUMP RUNNING HOURS - ALL DISTRICTS



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				1051
2019													0
Ave.	59	72	85	103	100	126	138	111	104	79	71	83	1130
Max	270	230	341	255	176	237	299	229	222	146	207	222	1529
Min.	2	4	12	7	41	50	8	57	48	18	15	9	839



Western Plains Drainage District						
Financial Report for 3 months to 30 September 2018						
Item	Total Budget	Budget YTD	Actual YTD	Variance	Actual % of YTD Budget	Actual % of Total Budget
DRAINAGE OPERATIONS						
Vegetation Control						
Area 1	13,500	0	711	(711)		5%
Area 2	10,000	0	0	0		0%
Area 3	15,500	0	0	0		0%
Area 4	16,100	0	0	0		0%
Area 5	9,600	0	0	0		0%
Area 6	12,301	0	0	0		0%
TOTAL	77,001	0	711	(711)		1%
Mechanical Cleaning						
Area 1	15,400	3,850	3,600	250	94%	23%
Area 2	15,000	0	0	0		0%
Area 3	16,000	1,000	700	300	70%	4%
Area 4	25,000	0	0	0		0%
Area 5	15,000	0	0	0		0%
Area 6	18,000	0	0	0		0%
TOTAL	104,400	4,850	4,300	550	89%	4%
Maintenance/Fencing/Culverts						
Area 1	860	213	78	135	37%	9%
Area 2	860	213	0	213	0%	0%
Area 3	860	213	194	19	91%	23%
Area 4	860	213	0	213	0%	0%
Area 5	860	213	0	213	0%	0%
Area 6	860	213	0	213	0%	0%
TOTAL	5,160	1,278	272	1,006	21%	5%
TOTAL DRAIN MAINTENANCE	186,561	6,128	5,283	845	86%	3%
Pumps						
General	15,215	3,801	10,338	(6,537)	272%	68%
WPDD Pumps	132,702	0	0	0		0%
TOTAL	147,917	3,801	10,338	(6,537)	272%	7%
Floodgates						
(D)	13,980	3,492	4,326	(834)	124%	31%
TOTAL	13,980	3,492	4,326	(834)	124%	31%
Stopbanks						
(D) Tributary Banks	0	0	0	0		
TOTAL	0	0	0	0		
Other						
Weather Events	3,000	0	0	0		0%
Business Unit Charge Allocation		0	0	0		
Asset Liaison	4,000	0	0	0		0%
Data Collection		0	0	0		
Data Maintenance	4,000	0	0	0		0%
Design		0	0	0		
Drain Inspection	7,502	0	0	0		0%
Pump Operation	0	0	0	0		
Rates	0	0	0	0		
Appointed Member Expenses	0	0	0	0		
Meeting Expenses	4,501	0	0	0		0%
Insurance	3,000	0	0	0		0%
TOTAL	26,003	0	0	0		0%
TOTAL OPERATING	374,461	13,421	19,948	(6,527)	149%	5%

Overheads						
Overheads	103,845	0	0	0		0%
TOTAL	103,845	0	0	0	#DIV/0!	0%
Depreciation						
Depreciation (D)	65,207	0	0	0		0%
Depreciation (P)	0	0	0	0		
TOTAL	65,207	0	0	0		0%
Interest						
Interest (D)	(43,887)	(10,972)	(10,972)	0	100%	25%
TOTAL	(43,887)	(10,972)	(10,972)	0		0%
TOTAL EXPENDITURE	499,626	2,449	8,976	(6,527)	366%	2%

FLOOD PROTECTION OPERATIONS						
Floodgates						
(F1)	3,060	765	0	765	0%	0%
(F2)	1,080	270	0	270	0%	0%
TOTAL	4,140	1,035	0	1,035	0%	0%
Stopbanks						
(F1) Waitak Stm Left Bank	600	0	0	0		0%
(F1) Foreshore	0	0	0	0		
(F1) Miranda	500	0	0	0		0%
(F1) Karito/Hill Catchment	0	0	0	0		
(F2) Maukoro Left Bank	0	0	0	0		
(F2) Waitak Stm Right Bank	2,100	0	0	0		0%
(F2) Gubbs Outlet Bank	0	0	0	0		
TOTAL	3,200	0	0	0		0%
Depreciation						
Depreciation (F1)	49,605	0	0	0		0%
Depreciation (F2)	4,304	0	0	0		0%
TOTAL	53,909	0	0	0		0%
Interest						
Interest (F1)	(18,220)	(4,555)	(4,555)	0	100%	25%
Interest (F2)	(4,973)	(1,243)	(1,243)	0	100%	25%
TOTAL	(23,193)	(5,798)	(5,798)	0	100%	25%
TOTAL FLOOD PROTECTION	38,056	(4,763)	(5,798)	1,035	122%	-15%
TOTAL EXPENDITURE	537,682	(2,314)	3,178	(5,492)	-137%	1%
INCOME						
Rates Funding WPDD (D)	(499,331)	(124,833)	(124,833)	0	100%	25%
Rates Funding WPDD (F1)	(65,855)	(16,464)	(16,464)	0	100%	25%
Rates Funding WPDD (F2)	(6,294)	(1,574)	(1,574)	0	100%	25%
Opening Balance as at 01/07/2017	(2,008,574)					

WESTERN PLAINS DRAINAGE DISTRICT WORKS AREAS and PUMP LOCATIONS

