



# A G E N D A

## **WESTERN PLAINS DRAINAGE DISTRICT COMMITTEE MEETING**

**Thursday, 07 February 2019, 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

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

<b>Membership</b>	<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"><li>■ A representative (or alternative) of Waitakaruru/Miranda</li><li>■ A representative (or alternative) of Pipiroa</li><li>■ Two representatives (or alternatives) of Rawerawe/Ngatea/Pahunga</li><li>■ A representative (or alternative) of Kaihere/Torehape</li><li>■ Two representative (or alternative) of Patetonga/Mangawhero</li><li>■ A representative (or alternative) of Pouarua/Maukoro</li></ul>
<b>Meeting frequency</b>	<p>The first Thursday in the month commencing at 10.30am</p>

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**

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**Thursday, 7 February 2019 – 10.30am**

**Council Chamber, Council Office, William Street, Paeroa**

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<b><u>Order of Business</u></b>	<b>Pages</b>
1. Apologies	
2. Declarations of Late Items	
3. Confirmation of Minutes – (01-11-18) (2498486)	<b>5</b>
4. Waikato Regional Council (verbal update)	
5. WPDD Drainage Activity Report September to December 2018 (2520634) Financial Report for the period 6 months to 31 December 2018	<b>8</b>
6. 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, 01 NOVEMBER 2018 COMMENCING AT 10.30 AM

**PRESENT** Messrs H Van Eyk (Deputy Chairperson), P A Leonard, G Laurich, B Keane (10.50am – 12.10pm), B Pirie, P Johnstone, R Young, Cr P Buckthought (Council Representative)

**IN ATTENDANCE** R Hicks (WRC Waihou-Piako Catchment Committee Chair), B Manning, Works Supervisor (Projects & Compliance) Operations Hauraki/Coromandel, Integrated Catchment Management), Cr G Leonard, Cr J Thorp (alternate member), S de Laborde (Infrastructure Systems & Planning Manager), B Stephens (Drainage Overseer) and Ms C Black (Council Secretary)

#### **APOLOGIES**

#### **RESOLVED**

THAT the apology of Chairman, B A Carter and Cr D Swales be received and sustained.

WPDD18/28

Paterson/Laurich

**CARRIED**

#### **LATE ITEMS**

There were no late items.

#### Robert Hicks – Speaking Rights

The Chairman, Brian Carter had invited Robert Hicks to attend the meeting to provide an update on the Muggeridge's Pump Project.

In the Brian Carter's absence, the Deputy Chair, Harry van Eyk requested agreement from the Committee that Robert Hicks - Chairman of the WRC Waihou-Piako Catchment Committee and member of the WRC Hearings Committee delegated to hear submissions on the Muggeridge Pump application, be given speaking rights to address the Committee.

#### **RESOLVED**

THAT Robert Hicks be given speaking rights to address the Western Plains Drainage District Committee for the purpose of providing an update on the Muggeridge's Pump Project.

WPDD18/29

van Eyk/Young

**CARRIED**

#### **CONFIRMATION OF MINUTES**

MINUTES OF THE MEETING OF WESTERN PLAINS DISTRICT DRAINAGE COMMITTEE HELD ON THURSDAY, 04 OCTOBER 2018 (2477462)

#### **RESOLVED**

THAT the minutes of the meeting of the Western Plains Drainage District Committee held on Thursday, 04 October 2018 be taken as read and confirmed.

WPDD18/30

Laurich/Buckthought

**CARRIED**

## **MATTERS ARISING FROM THE MINUTES**

### **Mangawhero Road Flume**

Ross Young asked if any action had been taken to address the state of the Mangawhero Flume following a request at the last meeting that the Group Manager – Engineering Services and drainage staff investigate the condition of the flume and what can be done about it.

Steve de Laborde responded that this project is not a priority at the current time but it will be addressed in the future. If remedial work is urgently required to the flume, this will be undertaken.

Brian Keane attended the meeting at 10.50am.

### **DISTRICT DRAINAGE ACTIVITY REPORT FOR THE MONTH OF AUGUST 2018 AND FINANCIAL REPORT (FOR THE 3 MONTHS TO 30 SEPTEMBER 2018 (2472366)**

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

## **RESOLVED**

THAT the Drainage Report for the month of September 2018 and the financial report on the operations of the Western Plains District Drainage Area for the 3 months to 30 September 2018 be received.

WPDD18/31

Pirie/van Eyk

**CARRIED**

### **Level of Service/Protection - F1 and F2 Rates**

Steve de Laborde explained to the members the F1 and F2 rating system which is placed on properties which receive the differing levels of service/protection.

It was explained that land protection measures which Council provides as part of the drainage network to properties which receive inundation of water are rated accordingly depending on how much protection is provided. The higher the level of service, the higher the rates.

In response to a question regarding the 'design height' of stopbanks, WRC designs the height of stopbanks to 3.5m which is the most desired height. The general height of stopbanks is currently 2.9m being close to the preferred height.

## **Financial Reporting**

The Group Manager – Corporate Services, Duncan Peddie was in attendance to explain the financial information included in the report and provided a number of explanations in regards to the Western Plains District Drainage Committee's budget.

## **WRC Staff Report – Brendan Manning, Works Supervisor (Projects & Compliance) | Operations Hauraki/Coromandel, Integrated Catchment Management**

Brendan Manning was in attendance in the absence of WRC Team Leader, Kenny Growden.

Waitakaruru Mouth Stream - Brendan advised that a marine survey will be undertaken over the summer season to monitor the stream. The results from the survey will be made available to the Committee once they are available. Consent for the bridge to Torehape, could exceed the cubic meterage allowed.

Structural audits have been undertaken in the Ngatea Township and Pouarua.

A number of cameras (on wheels) have been placed inside pipes for investigation.

#### Muggeridge Pump Update

Robert Hicks spoke on the Waihou-Piako Catchment Scheme. The impact of the zone rating and if there was any benefit for people in Ngatea.

He spoke generally about the increase in rates to cover the costs of the Muggeridge pump project.

Hearing of submissions to the Muggeridge Pump consent application will be heard on 27 November 2018.

### **GENERAL BUSINESS:**

#### Kaiaua Community Stormwater Issues

Cr Leonard spoke on the Kaiaua stormwater initiatives being considered by Council to address the issues identified in the Kaiaua community following recent storm events. A group has been established (Kaiaua Working Group) to work with WRC to identify the critical areas affected by stormwater and what remedial action can be taken to assist the community in addressing these issues.

#### Land Drainage Committee's Annual Xmas Dinner

After receiving feedback from the members as to the proposed annual xmas dinner for all the land drainage committees, it was agreed that due to the time pressures at this time of the year, that the preferred option would be to hold a mid winter xmas dinner in May/June 2019. The members were all generally in support of this suggestion.

#### Member's comments:

There were no the operational comments made of any significance.

The meeting closed at 12.10pm.

CONFIRMED

H van Eyk  
Deputy Chairperson

7 February 2019



# Information Report

**To:** Western Plains Drainage District Committee  
**From:** Infrastructure Systems and Planning Manager  
**Date:** Thursday, 31 January 2019  
**File reference:** Document M 2493802  
**Meeting date:** Thursday, 7 February 2019  
**Subject:** **WPDD Drainage Report October – December 2018**

**Recommendation:**

THAT the report be received.

**This report covers the period from October to December 2018. However leading up to Christmas, some information was not provided.**

## 1. OPERATIONS

### 1.1. Chemical spraying

No drains have been sprayed for the period October to December 2018.

### 1.2. Machine cleaning

2.8kms of drains have been machine cleaned in the finance year to date.

### 1.3. Maintenance/Fencing/Culverts

Routine maintenance items were undertaken. Cleaning of Maungawhero debris trap. Also clearing blocked culverts on Pipiroa Road. Blockages were cleaned out of Roundtree Road three times and timber was taken out of the Waikumete Stream.

### 1.4. Pump operation

Regular inspection runs were undertaken in this period. Pump hours for the period October and November were 797. There were no readings completed in December, due to Christmas annual leave.

The summary for the year to date is attached.

Approximately 35 man-hours were spent on weed screen cleaning in October and November.

### 1.5. Floodgates

Floodgate inspections were completed. The Pouaru and Ngatea gates were cleared.

### 1.6. Stopbanks

No maintenance was undertaken.



## 2. CAPITAL WORKS:

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

### Stopbanks:

Very little construction work was able to get underway prior to the end of last year, rain in November & December played a large part in that. However, surveying design and staking out of the works on the Hot Springs Canal has been complete.

Construction of some of the work has started in January and will be reported in the next report.

### Pumps:

Work on the pumpstations has been scheduled between February & March. The following pumps are going to be refurbished:

- WPDD (F1) – Miranda pump
- WPDD (P) – Hopia West, Central North & Rawerawe pumps.

## 3. BYLAW APPROVALS

Bylaw approvals were granted in the period as follows:

- |                       |     |
|-----------------------|-----|
| 3.1. <u>Culverts:</u> | Nil |
| 3.2. <u>Other:</u>    | 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 October was 134mm, November was 93mm and December was 228 mm.

The year to date total from July 1st is 736mm which is 131% of the average expected to the end of December.

## 6. LAND DRAINAGE BOARD RESOLUTIONS

### 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. The letter supports his request to NZTA to lower his drain under SH2.

This matter is now deemed to be settled.

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

Steve de Laborde has written a letter to Ken Jones requesting that a culvert be renewed within the private drain to provide drainage relief for the Laurich farm upstream. Mr de Laborde also inquired of Mr Jones if he, Mr Jones, would consider allowing the drain in question to become a Council drain. Mr Jones phoned to say that he'll renew the culvert to restore flow to the drain, but he did not want Council to take ownership of the drain.

The matter is now deemed to be settled.

### Mangawhero Road Flume

The Group Manager – Engineering Services report 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 provide to the next meeting updating the Committee on the options being considered.

This is not considered urgent, with \$427,821 in the 21/22 budget for replacement.

## **7. GENERAL**

### **7.1.Drainage Bylaw Review**

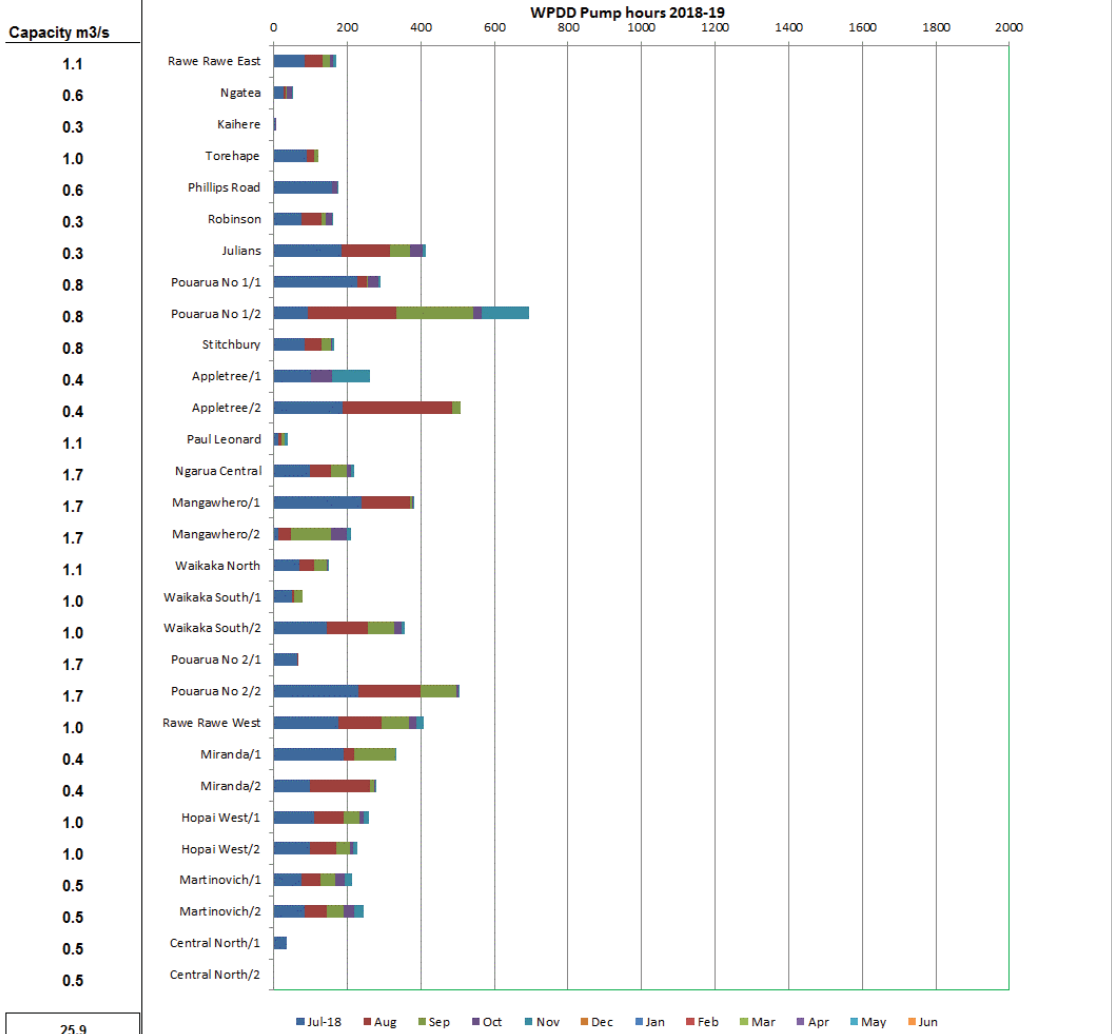
Members were invited to provide feedback on the bylaw.

Steve de Laborde  
Infrastructure Systems and Planning Manager

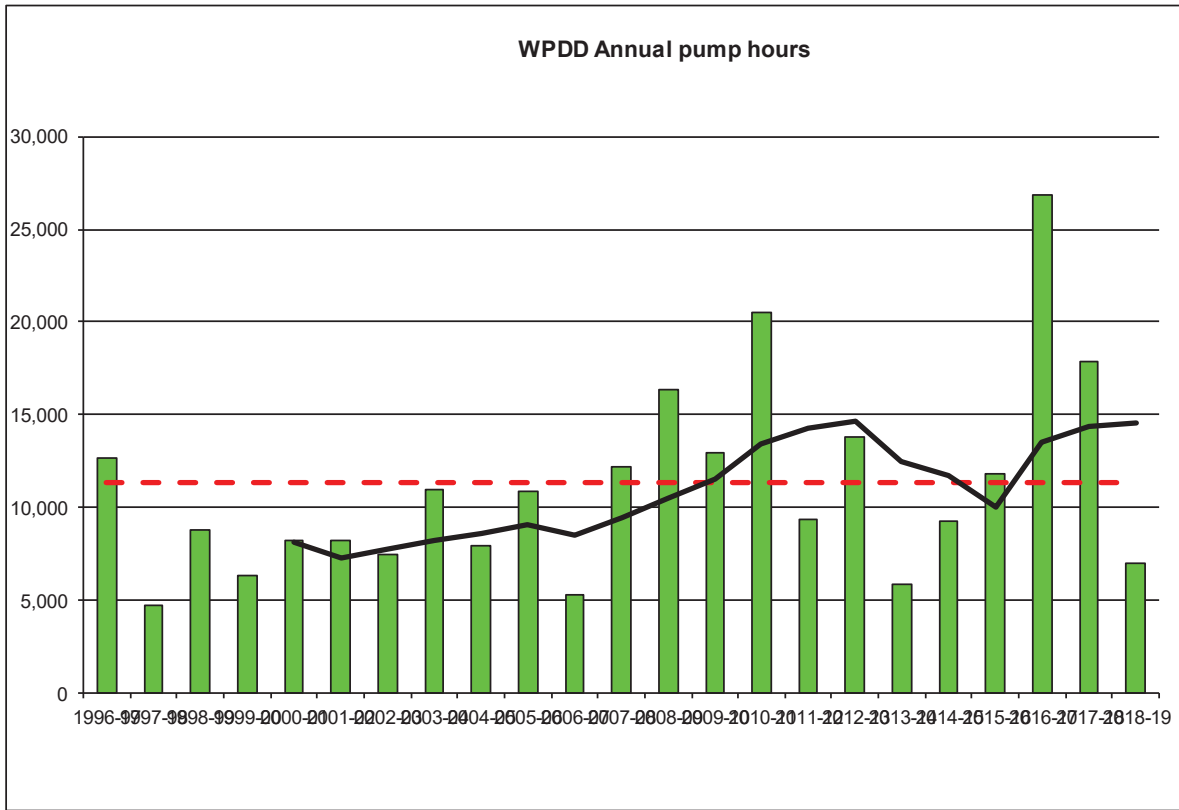
**WESTERN PLAINS DRAINAGE DISTRICT – PUMP RUNNING HOURS 2018-19**

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	8	9	0	0	0	0	0	0	0	169	307
No 6	Ngatea	26	6	4	14	2	0	0	0	0	0	0	0	52	91
No 7	Kaihere	5	0	0	1	0	0	0	0	0	0	0	0	6	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	16	2	0	0	0	0	0	0	0	176	456
No 11	Robinson	75	54	12	17	2	0	0	0	0	0	0	0	160	184
No 12	Julians	184	131	56	33	9	0	0	0	0	0	0	0	413	329
No 17	Pouarua No 1/1	226	28	1	29	7	0	0	0	0	0	0	0	291	788
	Pouarua No 1/2	94	240	208	22	130	0	0	0	0	0	0	0	694	680
No 18	Stitchbury	84	45	27	3	5	0	0	0	0	0	0	0	164	198
No 21	Appletree/1	100	0	0	59	103	0	0	0	0	0	0	0	262	499
	Appletree/2	187	297	25	0	0	0	0	0	0	0	0	0	509	387
No 22	Paul Leonard	13	9	7	2	8	0	0	0	0	0	0	0	39	125
No 23	Ngarua Central	98	57	45	9	10	0	0	0	0	0	0	0	219	336
No 24	Mangawhero/1	239	132	5	2	4	0	0	0	0	0	0	0	382	575
	Mangawhero/2	13	33	111	41	12	0	0	0	0	0	0	0	210	639
No 25	Waikaka North	69	41	34	4	2	0	0	0	0	0	0	0	150	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	20	10	0	0	0	0	0	0	0	357	540
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	6	2	0	0	0	0	0	0	0	505	366
No 29	Rawe Rawe West	177	116	74	21	21	0	0	0	0	0	0	0	409	544
No 70	Miranda/1	189	31	110	0	1	0	0	0	0	0	0	0	331	510
	Miranda/2	99	164	10	3	2	0	0	0	0	0	0	0	278	510
No 73	Hopai West/1	110	81	42	12	13	0	0	0	0	0	0	0	258	408
	Hopai West/2	97	72	37	11	10	0	0	0	0	0	0	0	227	314
No 74	Martinovich/1	74	53	40	26	21	0	0	0	0	0	0	0	214	185
	Martinovich/2	85	59	46	28	25	0	0	0	0	0	0	0	243	187
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
		<b>3100</b>	<b>2007</b>	<b>1116</b>	<b>387</b>	<b>410</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7020</b>	<b>11336</b>

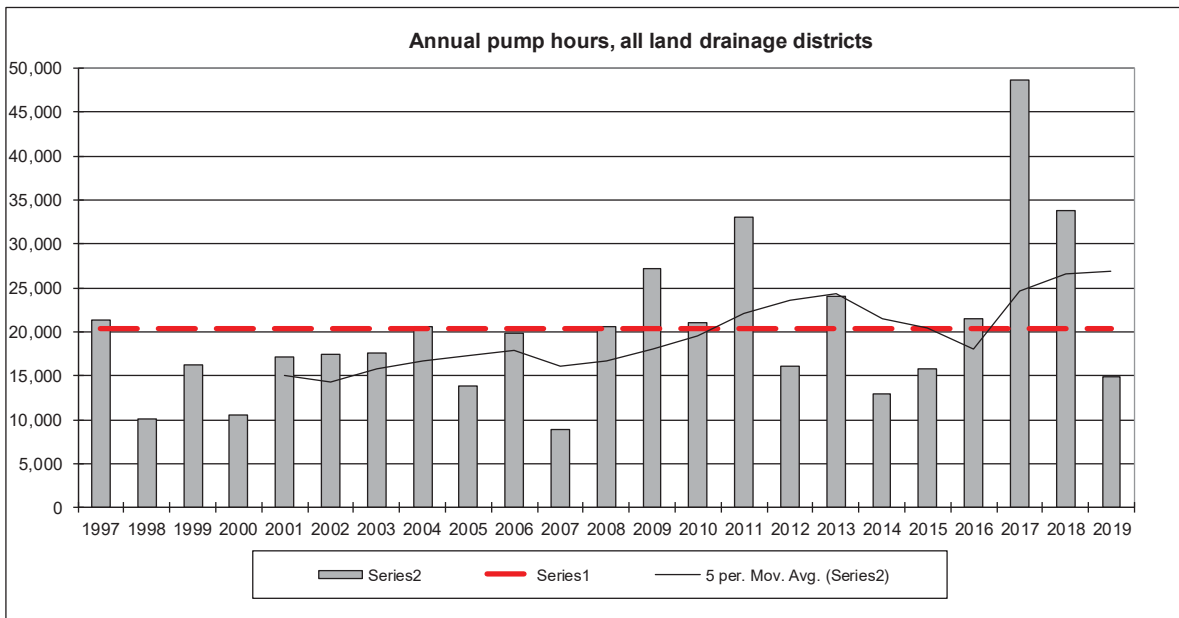
21 Stations  
30 Pumpsets  
62%



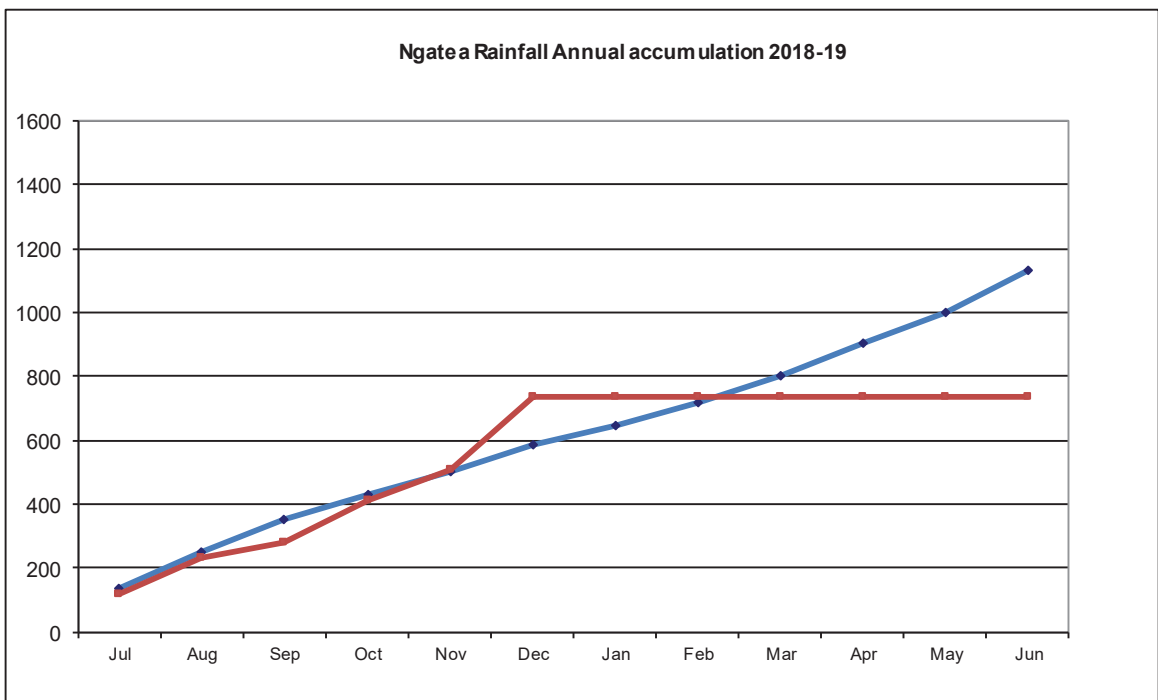
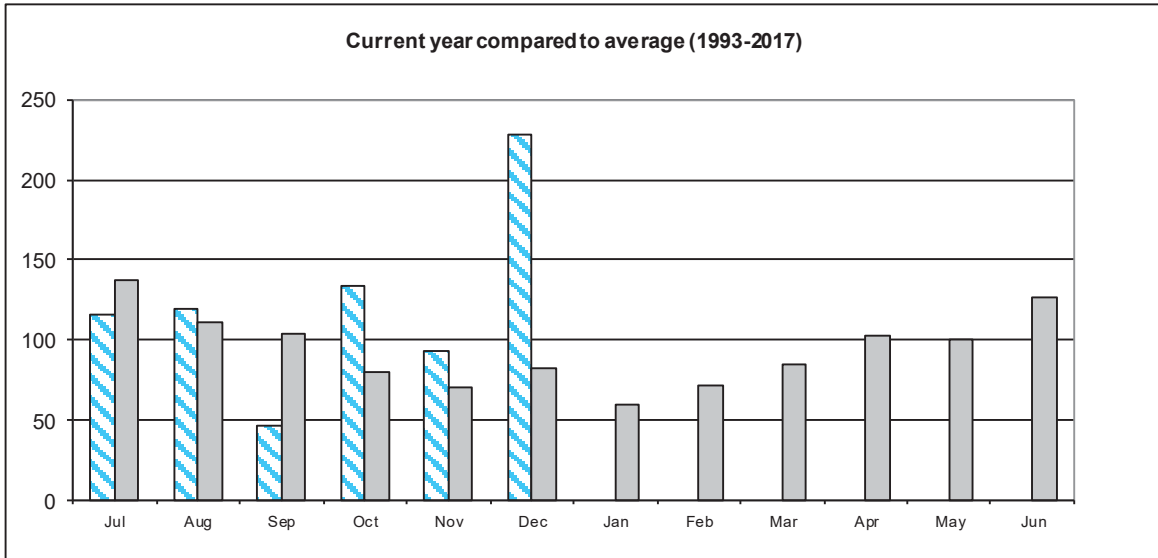
**WESTERN PLAINS DRAINAGE DISTRICT - ANNUAL PUMP RUNNING HOURS**



**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	134.0	93.0	228.0	1506
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



<b>Western Plains Drainage District</b>						
<b>Financial Report for 6 months to 31 December 2018</b>						
<b>Item</b>	<b>Total Budget</b>	<b>Budget YTD</b>	<b>Actual YTD</b>	<b>Variance</b>	<b>Actual % of YTD Budget</b>	<b>Actual % of Total Budget</b>
<b>DRAINAGE OPERATIONS</b>						
<b>Vegetation Control</b>						
Area 1	77,000	0	868	(868)		1%
Area 2	0	0	0	0		
Area 3	0	0	54	(54)		
Area 4	0	0	155	(155)		
Area 5	0	0	0	0		
Area 6	0	0	0	0		
<b>TOTAL</b>	<b>77,000</b>	<b>0</b>	<b>1,076</b>	<b>(1,076)</b>		<b>1%</b>
<b>Mechanical Cleaning</b>						
Area 1	15,400	3,850	3,756	94	98%	24%
Area 2	15,000	15,000	0	15,000	0%	0%
Area 3	16,000	16,000	1,360	14,640	9%	9%
Area 4	25,000	10,000	0	10,000	0%	0%
Area 5	15,000	6,000	0	6,000	0%	0%
Area 6	18,000	7,200	1,198	6,002	17%	7%
<b>TOTAL</b>	<b>104,400</b>	<b>58,050</b>	<b>6,315</b>	<b>51,735</b>	<b>11%</b>	<b>6%</b>
<b>Maintenance/Fencing/Culverts</b>						
Area 1	860	426	156	270	37%	18%
Area 2	860	426	0	426	0%	0%
Area 3	860	426	381	45	90%	44%
Area 4	860	426	731	(305)	172%	85%
Area 5	860	426	0	426	0%	0%
Area 6	860	426	288	138	68%	34%
<b>TOTAL</b>	<b>5,160</b>	<b>2,556</b>	<b>1,557</b>	<b>999</b>	<b>61%</b>	<b>30%</b>
<b>TOTAL DRAIN MAINTENANCE</b>	<b>186,560</b>	<b>60,606</b>	<b>8,947</b>	<b>51,659</b>	<b>15%</b>	<b>5%</b>
<b>Pumps</b>						
General	15,215	7,602	13,431	(5,829)	177%	88%
WPDD Pumps	132,702	0	0	0		0%
<b>TOTAL</b>	<b>147,917</b>	<b>7,602</b>	<b>13,431</b>	<b>(5,829)</b>	<b>177%</b>	<b>9%</b>
<b>Floodgates</b>						
(D)	13,980	6,984	10,216	(3,232)	146%	73%
<b>TOTAL</b>	<b>13,980</b>	<b>6,984</b>	<b>10,216</b>	<b>(3,232)</b>	<b>146%</b>	<b>73%</b>
<b>Stopbanks</b>						
(D) Tributary Banks	0	0	0	0		
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>Other</b>						
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%
<b>TOTAL</b>	<b>26,003</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0%</b>
<b>TOTAL OPERATING</b>	<b>374,460</b>	<b>75,192</b>	<b>32,595</b>	<b>42,597</b>	<b>43%</b>	<b>9%</b>

<b>Overheads</b>						
Overheads	103,845	0	0	0		0%
<b>TOTAL</b>	<b>103,845</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>#DIV/0!</b>	<b>0%</b>
<b>Depreciation</b>						
Depreciation (D)	65,207	0	0	0		0%
Depreciation (P)	0	0	0	0		
<b>TOTAL</b>	<b>65,207</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0%</b>
<b>Interest</b>						
Interest (D)	(68,499)	(34,250)	(34,250)	0	100%	50%
<b>TOTAL</b>	<b>(68,499)</b>	<b>(34,250)</b>	<b>(34,250)</b>	<b>0</b>		<b>0%</b>
<b>TOTAL EXPENDITURE</b>	<b>475,013</b>	<b>40,943</b>	<b>(1,654)</b>	<b>42,597</b>	<b>-4%</b>	<b>0%</b>

<b>FLOOD PROTECTION OPERATIONS</b>						
<b>Floodgates</b>						
(F1)	3,060	1,530	5,706	(4,176)	373%	186%
(F2)	1,080	540	1,045	(505)	193%	97%
<b>TOTAL</b>	<b>4,140</b>	<b>2,070</b>	<b>6,751</b>	<b>(4,681)</b>	<b>326%</b>	<b>163%</b>
<b>Stopbanks</b>						
(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		
<b>TOTAL</b>	<b>3,200</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0%</b>
<b>Depreciation</b>						
Depreciation (F1)	49,605	0	0	0		0%
Depreciation (F2)	4,304	0	0	0		0%
<b>TOTAL</b>	<b>53,909</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0%</b>
<b>Interest</b>						
Interest (F1)	(24,423)	(12,212)	(12,212)	0	100%	50%
Interest (F2)	(5,209)	(2,605)	(2,605)	0	100%	50%
<b>TOTAL</b>	<b>(29,632)</b>	<b>(14,816)</b>	<b>(14,816)</b>	<b>0</b>	<b>100%</b>	<b>50%</b>
<b>TOTAL FLOOD PROTECTION</b>	<b>31,617</b>	<b>(12,746)</b>	<b>(8,065)</b>	<b>(4,681)</b>	<b>63%</b>	<b>-26%</b>
<b>TOTAL EXPENDITURE</b>	<b>506,630</b>	<b>28,197</b>	<b>(9,720)</b>	<b>37,916</b>	<b>-34%</b>	<b>-2%</b>
<b>INCOME</b>						
Rates Funding WPDD (D)	(499,331)	(249,666)	(249,666)	0	100%	50%
Rates Funding WPDD (F1)	(65,855)	(32,928)	(32,928)	0	100%	50%
Rates Funding WPDD (F2)	(6,294)	(3,147)	(3,147)	0	100%	50%
<b>Opening Balance as at 01/07/2018</b>	<b>(2,312,174)</b>					



**WESTERN PLAINS DRAINAGE DISTRICT WORKS AREAS and PUMP LOCATIONS**

