



R E P O R T	TO	MAYOR AND COUNCILLORS
	FROM	DISTRICT ENGINEER
	FILE REF	439 006
	DATE	8 OCTOBER 2008
	SUBJECT	DRAINAGE MANAGER REPORT TO 31 AUGUST 2008

<p>RECOMMENDATION THAT the report be received.</p>
--

1.0 **LAND DRAINAGE**

1.1 Western Plains Drainage District

Drain Maintenance

No drains were sprayed in the period. A section of Canal Road drain was machine cleaned, and rubbish removed from the Ngatea Town Drain.

Other Maintenance

One roadside drain culvert was cleared. Three floodgates were cleared.

Pump Operation

Pumps ran for 5,935 hours in the period. The total since 1 July equates to 142% of the average annual total. Approximately 145 man hours were spent on grille cleaning.

1.2 Eastern Plains Drainage District

Drain Maintenance

No drains were sprayed in the period. A start has been made on machine cleaning the Johnson Internal drain.

Other Maintenance

Regular inspections and minor maintenance items have been undertaken. A culvert on Wani Road was cleared.

Pump Operation

Pumps ran for 2,190 hours in the period. The total since 1 July equates to 98% of the average annual total. 50 man-hours were spent on grille cleaning.

1.3 Paeroa Rural Drainage District*Drain Maintenance*

No drain maintenance has been undertaken in the period.

Other Maintenance

Regular inspections and minor maintenance items have been undertaken. The siphons under the Kuaoiti Stream were cleared twice.

Pump Operation

Pumps ran for 1,316 hours in the period. The total since 1 July equates to 176% of the average annual total.

1.4 Drain Maintenance Progress to the end of August 2008

Drainage Dist	Total Drain length (km)	Length sprayed	Length machine cleaned
WPDD	317.8		1.0
EPDD	275.8		0.4
PRDD	74.4		
TOTAL	668.0	0.0	1.4
Target		650	100
% completed		0%	1%

1.5 Floodpump running hours to the end of August 2008

Drainage Dist	Average annual hours	Hours to end of month	% of average
WPDD (30#)	8,942	12,722	142
EPDD (19#)	5,815	5,705	98
PRDD (12#)	1,705	2,993	176
Paeroa (5#)	179	266	149
TOTAL	16,641	21,686	130

1.6 Ngatea rainfall recorded from 1 July to the end of August 2008

Rainfall	Current month (Aug)	Year to date	YTD % of Average
Recorded	166mm	419mm	175
Average	147mm	239mm	
Days > 38mm	0#	2#	Ann. Average: 2-3#

Note: The land drainage system is designed to remove in 24 hours a volume equivalent to full runoff of 38mm depth of precipitation. This runoff volume could result from between 40 and 110mm of actual rainfall, depending on soil conditions, and recent rainfall history.

1.7 Customer Service Requests responded to (Land Drainage)

Measure: Customer Service Requests shall be responded to in 48 hours.

Target: 90%

LAND DRAINAGE CSR's 2008-09

Due to the storm events of late July, an accurate assessment of response to CSRs has not been completed. 9 drainage related service requests were responded to in August. The summary will be included in future reports.

1.8 Storm Events of late July 2008

Staff have provided input to the informal debrief Environment Waikato is undertaking for the region-wide storm event. Data gathering from the District's rain gauges, and from the Met Service, has been delayed. It is expected to complete the report for the next month's Council meeting.

The impact on pump operating costs has been significant in 2007-08, and 2008-09 to date, particularly in the Tirohia-Rotokohu Area of the Paeroa Rural Drainage District. Pump operating costs in the Paeroa Rural Drainage District is a major component of the total operating budget; 39% compared to the Plains Drainage Districts component costs of 25%.

The actual pump operating costs for the 2007-08 year in the Plains Districts was approximately 95% of budget, compared to the Paeroa Rural costs of 142% of budget. Indications to date are that 2008-09 costs will be above average, and will have an effect on long term estimates.

1.9 Environment Waikato River and Catchment Schemes Funding Review

Following the Environment Waikato presentation to Council at the mid September meeting, Council is preparing a submission, due 31 October.

2.0 **URBAN STORMWATER**

2.1 Paeroa Stormwater

Reticulation Maintenance

No maintenance items were reported for the period.

Drain Maintenance

Rubbish was cleared from the Main Drain.

Pump Operation

Pumps ran for 32 hours in the month. The total since 1 July equates to 149% of the average annual total. 20 man-hours were spent on grille cleaning.

2.2 Waihi Stormwater

Reticulation Maintenance

Minor repairs to reticulation were undertaken in Johnson Street, and Princes Street.

Whiritoa Lagoon Outlet Clearing

The lagoon outlet was not cleared in the period.

2.3 Customer Service Requests responded to (Stormwater)

Measure: Customer Service Requests shall be responded to in 48 hours.

Target: 90%

STORMWATER CSR's 2007-08

Due to the storm events of late July, an accurate assessment of response to CSRs has not been completed. 11 requests were responded to in Waihi, and 10 in Paeroa in August. The summary will be included in future reports.

Ian McLeod
Drainage Manager

Ken Thompson
District Engineer