

DISTRIBUTION:

Committee Members:

His Worship the Mayor
R P Hunter
K R Caddy
K J Reid
P Schouten
R Webster
A Green
T Nicholson
B Conroy

Council Rep:

P Buckthought

Councillors:

J H Thorp
D H Swales

Staff

Ian McLeod
Bruce Stephens
Adrian de Laborde
Council Secretary



A G E N D A
EASTERN PLAINS DRAINAGE
DISTRICT COMMITTEE

DATE: Thursday, 27 April 2017

TIME: 1.30pm

VENUE: Council Office
William Street
PAEROA

MEMBERS:

R P Hunter (Chairperson)

K R Caddy
K J Reid
P Schouten
R Webster
A Green
T Nicholson
B Conroy
P Buckthought
J P Tregidga (Mayor)

Delegations: Eastern Plains Drainage Committee (EPDD)

Membership	<p>Advisory Committee consisting of one Councillor (with an alternate) and representation as scheduled from each of the following Drainage Areas with the Drainage District:</p> <ul style="list-style-type: none">■ A representative (or alternative) of Kopuarahi/Orongo■ A representative (or alternative) of Horahia■ Two representatives (or alternative) of Wharepoa■ Two representatives (or alternatives) of Awaiti■ Two representatives (or alternatives) of Netherton
Meeting frequency	The last Thursday in each month bi-monthly commencing at 1.30pm

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 Eastern 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.



HAURAKI DISTRICT COUNCIL

EASTERN PLAINS DRAINAGE DISTRICT COMMITTEE AGENDA

THURSDAY, 27 April 2017 – 1.30pm – Council Office, William Street, Paeroa

Order of Business	Pages
1. <u>Apologies</u>	
2. <u>Declarations of Late Items</u>	
3. <u>Confirmation of Minutes - 23-02-17 (2187147)</u>	4
4. <u>Drainage Managers Report for April 2017 and Financial Report for the period 9 months to 31 March 2017 (2194268)</u>	7

HAURAKI DISTRICT COUNCIL

EASTERN PLAINS DRAINAGE DISTRICT

MINUTES OF A MEETING OF THE EASTERN PLAINS DRAINAGE DISTRICT COMMITTEE HELD IN THE COUNCIL CHAMBERS, WILLIAM STREET, PAEROA ON THURSDAY, 23 FEBRUARY 2017 COMMENCING AT 1.35PM

PRESENT Messrs R Hunter (Chairperson), K J Reid, K R Caddy, A Green, P Schouten, R Webster and Cr P Buckthought

IN ATTENDANCE Messrs Mr I D McLeod (Drainage Manager) and Mrs D Bezuidenhout (Acting Council Secretary)

APOLOGIES

RESOLVED

THAT the apologies of B Conroy and T Nicholson be received and sustained.

EPDD17/01

Hunter/Caddy

CARRIED

LATE ITEMS

There were no late items.

CONFIRMATION OF MINUTES

MEETING HELD TUESDAY 29 NOVEMBER 2016 (2169974)

RESOLVED

THAT the minutes of the meeting of the Eastern Plains Drainage District Committee held on Tuesday 29 November 2016 are confirmed and are a true and correct record.

EPDD17/02

Reid/Schouten

CARRIED

EPDD DRAINAGE MANAGER'S REPORT FEBRUARY 2017 (2175395)

The Drainage Manager presented the monthly report to February 2017 and the Financial Report for the 7 months to 31 January 2017.

RESOLVED

THAT the report be received.

EPDD17/03

Green/Reid

CARRIED

Campbell Drain and Floodgate. Green Drain

The re-commissioning of the Green Drain to divert flow from the Campbell Floodgate catchment to Factory Floodgate has been completed. The landowner who requested the works still has a

concern with the operation of the drainage network, but more particularly with the low invert of the recently reconstructed Campbell floodgate, and the continuing silting of the outlet.

The downstream owner who requested the drain diversion has advised that there is a dispute regarding the constructed level of the floodgate, and it is likely that the structure may be modified to raise the invert and alleviate the blockage of the floodgate by river silt.

The Committee may need to consider a water level structure in the Campbell Drain as an interim measure until the floodgate issue is resolved.

Rata Street Open Drain Piping

The old post office section on the corner of Town Road and Rata Street has been sold, and there is interest from the new owner to pipe the open drain through the section. A proposal has been received for approval. A line along boundaries within the building yards is proposed. The owner has accepted the proposal and requested C&M staff to proceed with the drain piping.

Drainage Bylaw Review

The Bylaw review will be undertaken in mid-2017.

Committee members are requested to consider the current bylaw and to provide input into the review.

Drainage Committee Elections

Members are advised that nominations for Drainage Committee candidates opened on 27 February following public notice on Friday 24 February. Nominations will close at 4pm on Friday 31 March. In the event of there being more candidates than required in any area, a ratepayer election may be held.

Any members considering retiring from the Committee is encouraged to consider approaching a suitable candidate to accept nomination.

MEMBERS' COMMENTS

Cr Buckthought commented on the WRC Plan Change 1. He noted that a statement was expected from the Minister that day. There is more dry stock land in the catchment and consequently there is a greater contaminant contribution from this sector. Submissions close on 8 March, and members were urged to make an individual submission. There will be a public meeting in Ngatea prior to 8 March.

Keven Caddy reported that the Reservoir pump probes had been shorted by a bird nest. Drain spraying has had a good result to date.

Peter Schouten noted that the drain south of Cox's needs cleaning.

Kim Reid reported that some of the helicopter spraying was too high in the drain, and promoting erosion. The Morrison drain needs inspecting.

Richard Webster reported the silting of WRC floodgates, and asked what the programme was for the top up of the Price Drain stopbank.

Andrew Green noted blocked road culverts (Hamilton Road) and weed build up in the vicinity of the Hauraki Road bridges over Council drains.

Kim Reid asked what were the options for the Netherton School access culvert which is known to be too high. Conall Buchanan is to be contacted as School Board Chair.

Roger Hunter suggested there will be a need for some re-sprays later in the season.

As discussed by the West Committee, the deferred Christmas dinner could be held mid-winter.

The meeting closed at 3.00pm.

CONFIRMED

R G Hunter
Chairperson

30 March 2017



Report

To: Eastern Plains Drainage District Committee
From: Drainage Manager
Date: 18 April 2017
File reference: Document: M219 4268
Meeting date: 27 April 2017
Subject: **EPDD Drainage Manager Report April 2017**

Recommendation:

THAT the report be received.

1.0 OPERATIONS

1.1 Chemical spraying

212.9 km of drains have been sprayed to the end of March. Details are shown in the attached tables.

1.2 Machine cleaning

14.9 km of drains have been machine cleaned in the year to March.

1.3 Maintenance/Fencing/Culverts

Routine maintenance items have been undertaken.

1.4 Pump operation

Regular inspection runs were undertaken in this period. Pump hours for February and March were 0 and 1,324 respectively. The total to the end of March of 8,213 hours is 131% of the average annual hours.

90 man-hours were spent on screen cleaning in the period.

1.5 Floodgates

Floodgate inspections were completed. No floodgates were required to be cleared.

1.6 Stopbanks

Work is progressing on the design for reconstruction of the terrace stopbanks to achieve design profile this summer.

2.0 BY-LAW APPROVALS

Bylaw approvals were granted in the period as follows:

2.1 Culverts: Nil

2.2 Building Line Nil

3.0 SUBDIVISIONS COMMENTED UPON

Subdivisions commented on during the period were as follows:

Nil

4.0 RAINFALL

The table and graphs of the Ngatea Monthly Rainfall depths since 1993 is attached. The rainfall total for November was 66 mm, December was 50 mm, and January was 24 mm. The year to date total from July 1 of 636mm is 99% of the average year to date total.

5.0 CAPITAL WORKS

No capital works were undertaken in the period.

6.0 GENERAL

6.1 Campbell Drain and Floodgate. Green Drain

The re-commissioning of the Green Drain to divert flow from the Campbell Floodgate catchment to Factory Floodgate has been completed. The landowner who requested the works still has a concern with the operation of the drainage network, but more particularly with the low invert of the recently reconstructed Campbell floodgate, and the continuing silting of the outlet.

Waikato Regional Council has advised that there will be reconstruction works of the structure next summer. The extent of the works is not known at this stage, but may include raising of the pipe barrel and better management of the silt in the outlet channel. The owners of the property through which much of the realigned Green Drain runs expressed concern that the diversion of runoff to the Factory outlet was to their detriment. The diversion block has been removed. WRC has installed a pump in the vicinity of the Campbell floodgate, to assist the drainage of the area over winter, prior to any summer works. It is likely that the whole catchment of the three floodgates in the area (O'Carroll's, Factory and Campbell) will be re-assessed before any further replacement structures are designed or constructed. There is a possibility of a realignment of the Ngataipua West Drain (C88) to improve machine access could also be considered in the catchment reassessment.

6.2 Drainage Bylaw Review

The Bylaw review will be undertaken in mid 2017.

Committee members are requested to consider the current bylaw and to provide input into the review.

6.3 Drainage Committee Elections

Nominations closed at 4pm on Friday 31 March.

The following candidates' nominations were received by the closing time.

Drainage Area	Nomination
1 (Orongo)	Roger Hunter
2 (Horahia)	Richard Webster
3A (Huirau)	Andy Green
3B (Wharepoa)	Ted Nicholson
4A (Kerepehi West)	
4B (Kerepehi East)	Peter Schouten
5A (Netherton West)	
5B (Netherton East)	Kim Reid

It has been recommended to Council that Council confirm the appointment of the above members to the committees, and that the vacant positions be filled by secondment of qualifying ratepayers.

6.4 Election of Committee Chair and Deputy Chair

Following the committee elections, the Committee is now required to elect a Chair and Deputy Chair. The successful members will be recommended to the next scheduled Council meeting.

6.5 Flood events in March

There were two separate significant rainfall events in March. Ngatea rainfalls for the two events were:

7-12 March 212 mm
26-29 March 112mm

There were a number of instances of electrical and diesel problems at the pumps at H-Drain (Roger Harris), Alexander's, Stocks and Mill Road stations.

These events have been reported briefly to Council. However, two further storm events in April have compounded the flooding and ponding issues, and staff have necessarily been involved in all of the storms, so a more detailed report will be compiled covering both month's events, and will be presented to the next meeting.

Members comments and observations on the prolonged period of bad weather are welcome.

Ian McLeod
Drainage Manager

STAFF CONTACT DETAILS

Drainage Manager	Ian (Mac) McLeod	07 862 5073	027 496 9558
		email:	mac@hauraki-dc.govt.nz
Drainage Overseer	Bruce (Goldy) Stephens		027 281 6924
		email:	goldy@hauraki-dc.govt.nz

EASTERN PLAINS DRAINAGE DISTRICT Area No. 1

No	Name	Type	Length	Spray		Mechanical Clean		Comments
				Date sprayed	Length sprayed	Date cleaned	Length cleaned	
C 2	OPANI POINT	B	1700					
C 3	COX	B	2065					
C 4	NASH	B	1690					
C 5	PINES	B	2790					
C 6	BATCHELOR	A	2055					
C 9	ORONGO FERRY RD STH	C	2625	28/03/2017	600			
C 10	STONE DRAIN	B	815					
C 11	ORONGO BOUNDARY	B	3185					
C 12	NO 1 DRAIN	B	2060					
C 13	MCCOWATT	B	400					
C 14	TOWERS	B	1860	22/03/2017	1860			
C 16	TAYLOR	B	650	20/03/2017	650			
C 17	TAIPARI	C	3610	20/03/2017	3610			
C 18	MULES	B	1325	22/03/2017	1325			
C 19	TORR	C	2955	21/03/2017	2955			
C 20	HAURAKI ROAD WEST	A	225	21/03/2017	225			
C 23	HOLMES-BRADDOCK	B	1450	20/03/2017	1450			
C 24	SMITH-FROST	A	1450	20/03/2017	1450			
C 25	BELL-FROST	A	1450					
C 82	SHELLBANK ROAD	C	1500	7/03/2017	1500			
C 83	MILLER	O	2720	1/03/2017	2000			
C 85	KOPUARAHI FERRY	B	1805	1/03/2017	1805			
C 85	KOPUARAHI FERRY	B	1805	7/03/2017	1805			
C 86	SHELLY BEACH EAST	A	1210	24/03/2017	1210			
C 87	HUDSON-CHRISTIE	B	1675	24/03/2017	1675			
C 88	NGATAIPUA ROAD	B	925	25/03/2017	925			
C 89	FACTORY OUTLET	B	1625	25/03/2017	1625			
C 90	SHELLEY BEACH WEST	B	1505					
C 92	NEW CAMPBELL	B	3390					
C 93	GREEN	A	1600					
C 94	ORONGO ROAD NTH	B	475					
C 95	KOPUARAHI-ORONGO ROAD	B	2320					
C 97	CAMPBELL EXT	A	140					

Total Drain length	55250	Total Drain Sprayed	26670	Percentage sprayed	48%	Total Drain Cleaned	0	Percentage cleaned	0%
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EASTERN PLAINS DRAINAGE DISTRICT Area No. 2

No	Name	Type	Length	Spray		Mechanical Clean		Comments
				Date sprayed	Length sprayed	Date cleaned	Length cleaned	
C 7	TURUA TOWN A	A	1475	20/01/2017	1475			
C 8	TURUA TOWN B	B	320	20/01/2017	320			
C 21	MILL CREEK	B	690	22/03/2017	690			
C 22	PIAKO ROAD	B	3055	23/02/2017	3055			
C 26	JUBILEE	O	3670	22/02/2017	3670			
C 27	WILLIAMS-ANSFORD	A	225	22/02/2017	225			
C 28	WHEELER	A	850	22/02/2017	850			
C 29	OPUA ROAD	A	980	22/02/2017	980			
C 30	SLAUGHTERHOUSE	A	800	22/03/2017	800			
C 31	HAURAKI ROAD	B	215	23/03/2017	215			
C 32	WILLOW	O	4510	10/01/2017	900			
C 32	WILLOW	O	4510	1/03/2017	2000			
C 33	SOLDIER	C	1170	7/02/2017	1170			
C 34	TE KAURI NO. 1	O	6405	1/03/2017	3000			
C 34	TE KAURI NO. 1	O	6405	28/03/2017	3405			
C 36	SUTTON	A	930					
C 37	PIAKO ROAD STH EAST	B	1370					
C 39	GUMTOWN ROAD	B	2790					
C 40	TAYLOR-ALLEN	B	1800	23/03/2017	1800			
C 66	NGATEA BORROWPIT	B	1440					
C 68	ORCHARD EAST NTH	B	2880	10/01/2017	2880			
C 69	K-K ROAD EAST	B	905					
C 70	TYERMAN	A	520	7/02/2017	520			
C 71	JOHNSTONE	O	4175	24/02/2017	4175			
C 71	JOHNSTONE	O	4175	1/03/2017	2000			
C 72	JOHNSTONE FEEDER NTH	B	1685	24/02/2017	1685			
C 73	JOHNSTONE INTERNAL	B	1685	23/02/2017	1685			
C 75	HORAHIA ROAD	B	1215	23/02/2017	1215			
C 76	BLAKE BORROWPIT	B	2020	23/02/2017	2020			
C 77	KNEEBONE	B	1020	23/02/2017	1020			
C 78	SLOANE	O	2720	22/02/2017	2000			
C 78	SLOANE	O	2720	1/03/2017	2000			
C 79	SLOANE FEEDER	A	750	23/02/2017	750			
C 80	JAMES	B	1750	7/03/2017	1750			
C 81	K-K ROAD EAST NTH	A	500	1/02/2017	500			
C 96	SPEEDY	A	910	24/02/2017	910			

Total Drain length	55430	Total Drain Sprayed	49665	Percentage sprayed	90%	Total Drain Cleaned	0	Percentage cleaned	0%
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EASTERN PLAINS DRAINAGE DISTRICT Area No. 3

No	Name	Type	Length	Spray		Mechanical Clean		Comments
				Date sprayed	Length sprayed	Date cleaned	Length cleaned	
C 38	BAKER-MADGWICK	B	1680					
C 42	TE KAURI NO. 2	O	4895	24/01/2017	400			
C 42	TE KAURI NO. 2	O	4895	8/02/2017	1700			
C 43	TURUA-NETHERTON	A	285					
C 45	ZIG-ZAG	B	1620					
C 46	BAGNALL-ANSFORD	C	3905	24/01/2017	3905			
C 47	WHAREPOA ROAD NTH	B	4155	5/01/2017	4155			
C 48	WHAREPOA ROAD STH	B	4280	5/01/2017	4280			
C 49	TURUA-NETHERTON ROAD STH	B	3290	6/01/2017	3290			
C 50	MONGANUI	C	4075	17/01/2017	4075			
C 51	HANDLEY	C	5200	18/01/2017	5200			
C 52	PORRITT	C	1100	24/01/2017	1100			
C 53	PEKAPEKA-CAPTAIN COOK	C	3330	20/01/2017	3330			
C 54	KEREPEHI FEEDER	B	3970	7/02/2017	3970			
C 55	KEREPEHI TOWNSHIP	B	1025	8/02/2017	1025			
C 57	PRICE	O	2910	8/02/2017	900			
C 57	PRICE	O	2910	1/03/2017	2000			
C 58	CHALLIS FEEDER	A	690					
C 60	LOUCH-MCDUFF	B	1005	2/03/2017	1005			
C 61	PRICE FEEDER NTH	B	3370	1/03/2017	3370			
C 62	PRICE FEEDER STH	A	545	8/02/2017	545			
C 63	TYE	B	720					
C 64	BORROWPIT	B	1380	2/03/2017	1380			
C 65	SUBDIVISION	B	2005					
C 67	ORCHARD EAST STH	B	2880	11/01/2017	2880			
C 74	GREEN-MILLER	B	1720	28/02/2017	1720			

Total Drain length	60035	Total Drain Sprayed	50230	Percentage sprayed	84%	Total Drain Cleaned	0	Percentage cleaned	0%
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EASTERN PLAINS DRAINAGE DISTRICT Area No. 4

No	Name	Type	Length	Spray		Mechanical Clean		Comments
				Date sprayed	Length sprayed	Date cleaned	Length cleaned	
D 1	RESERVOIR CANAL	O	4110	1/03/2017	4110			
D 2	RYAN	B	2325	6/03/2017	2325			
D 3	KNEEBONE	O	4700	1/03/2017	4700			
D 4	BENNY	A	590	6/03/2017	590			
D 5	BURTON	C	750	1/03/2017	750			
D 6	HARVEY	A	395	2/03/2017	395			
D 7	BLOOMFIELD	B	1520	10/02/2017	1520			
D 8	RIDINGS	A	890					
D 9	LAVERICK	A	890					
D 10	LANGDON	B	1175	2/03/2017	1175			
D 11	HARRIS-CADDY	O	4950	31/01/2017	4950			
D 12	CARTER	O	6720	10/02/2017	6720			
D 20	TOWN	A	290	6/01/2017	290			
D 21	LION	A	360					
D 22	NORTH CATCHMENT	C	2090	6/01/2017	1250			
D 23	SOUTH CATCHMENT	O	9565	1/03/2017	7000			
D 23	SOUTH CATCHMENT	O	9565	2/03/2017	2565			
D 24	SPENCER	B	1310	30/01/2017	1310			
D 25	HAYES	B	1185	30/01/2017	1185			
D 26	JORDAN	A	470	30/01/2017	470			
D 27	CANDY	B	1990	30/01/2017	1990			
D 28	PATTERSON-MUNROE	A	175	30/01/2017	175			
D 29	DON	B	2590	31/01/2017	2590			
D 30	HANDLEY	B	1665	1/02/2017	1665			
D 31	COLDICUTT	B	1615	1/02/2017	1615			
D 32	MUNROE	A	560	25/01/2017	560			
D 33	WHISKY	B	1490	25/01/2017	1490			
D 34	WEST	C	610	25/01/2017	610			
D 35	CONSTANTINE	B	900	25/01/2017	900			
D 36	KELLY	A	440	25/01/2017	440			
D 37	SIMPSON	O	2830	1/03/2017	2830			
D 38	NORTH CATCHMENT EXTENSION	A	670					

Total Drain length	59820	Total Drain Sprayed	56170	Percentage sprayed	94%	Total Drain Cleaned	0	Percentage cleaned	0%
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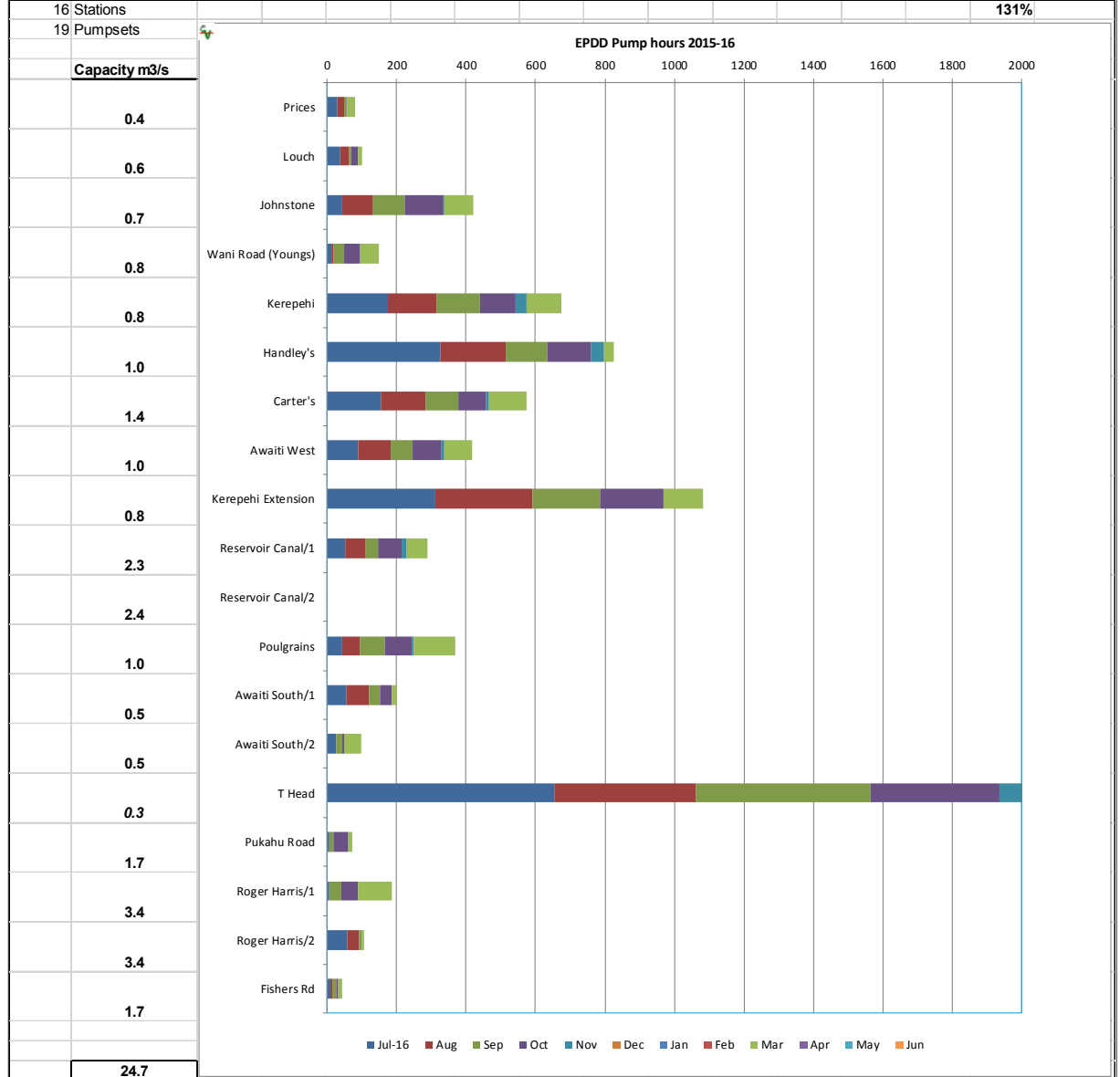
EASTERN PLAINS DRAINAGE DISTRICT Area No. 5

No	Name	Type	Length	Spray		Mechanical Clean		Comments
				Date sprayed	Length sprayed	Date cleaned	Length cleaned	
D 40	MCCORMICK-JEFFERIES	C	4065	24/01/2017	1500			
D 40	MCCORMICK-JEFFERIES	C	4065	1/03/2017	3000			
D 41	P.W.O.	B	550	24/01/2017	550			
D 42	TOMLINSON	B	1550					
D 43	AWAITI	O	5315	26/01/2017	3300			
D 44	SCHOOL ROAD	B	2150	27/01/2017	2150			
D 45	CREAM DUMP	A	200	26/01/2017	200			
D 46	LOCK	B	1140	26/01/2017	1140			
D 47	CAMPBELL	B	1400	26/01/2017	1400			
D 48	OLESEN	B	1610	26/01/2017	1610			
D 49	BRADSHAW	A	460	25/01/2017	460			
D 50	HEWITT	A	470	25/01/2017	470			
D 51	CROSBY	B	1135	26/01/2017	1135			
D 52	BENNETT	B	3015					
D 53	JOHNSON	A	430					
D 54	BRUNT	A	510					
D 55	PUKAHU FEEDER	O	640					
D 56	FISHER ROAD	B	500	24/01/2017	500			
D 60	H DRAIN	O	10380	1/03/2017	10380			
D 61	MORRISON	B	1130					
D 62	BRADLEY	C	830					
D 63	OLD PAEROA ROAD	B	2125					
D 64	WILSON	A	420					
D 65	SMITH	A	765					
D 66	CASSEY	B	1370					
D 68	WIREHANA	A	440					
D 69	BAIN	A	230					
D 71	JAMIESON	B	790	26/01/2017	790			
D 72	FIRTH	B	680	27/01/2017	680			
D 73	MUDFORD	C	210					
D 74	VOWLES	B	1510					
D 75	MCMILLAN	C	1140	1/03/2017	900			

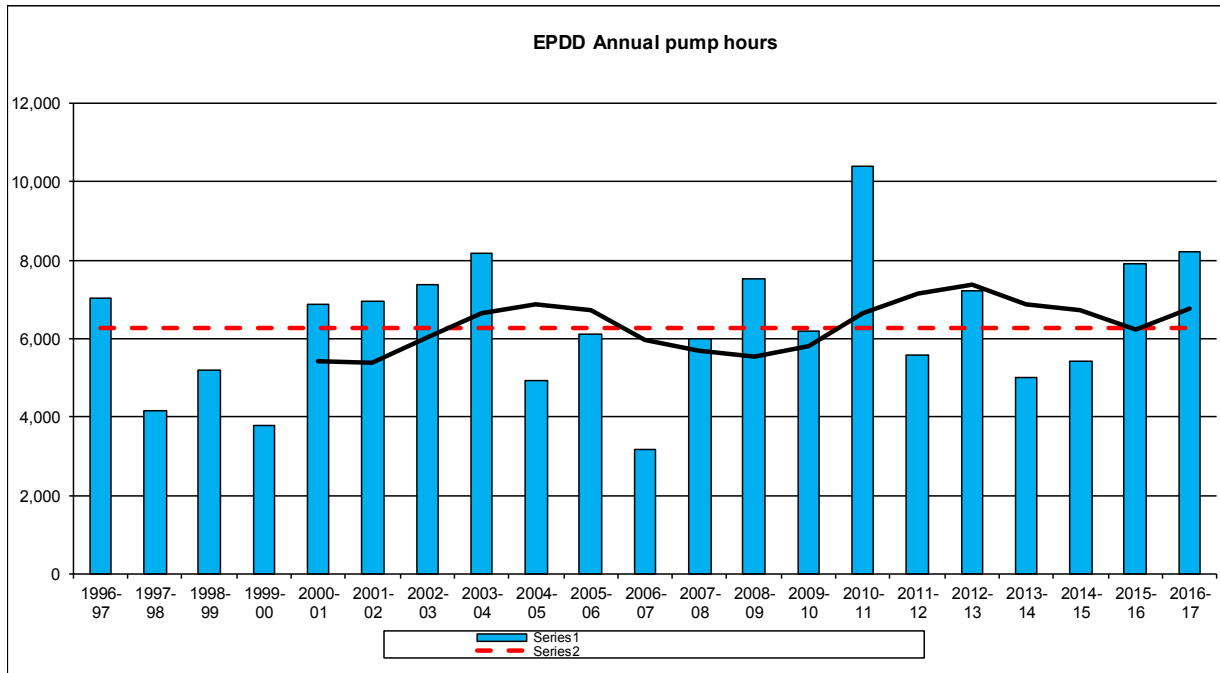
Total Drain length	47160	Total Drain Sprayed	30165	Percentage sprayed	64%	Total Drain Cleaned	0	Percentage cleaned	0%
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EASTERN PLAINS DRAINAGE DISTRICT – PUMP RUNNING HOURS 2016-17

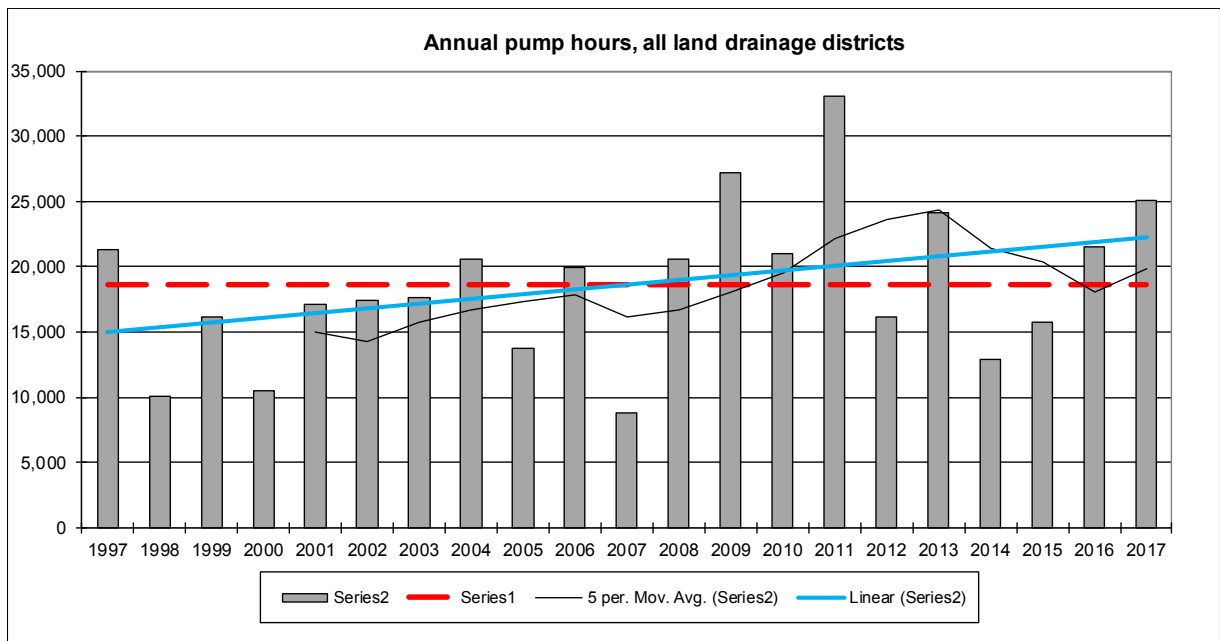
Eastern Plains DD		Jul-16	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Average	
No 1	Prices	28	21	5	4	0	0	0	0	23				81	38	
No 2	Louch	39	24	5	21	0	0	0	0	12				101	75	
No 3	Johnstone	44	87	92	111	2	0	0	0	85				421	257	
No 4	Wani Road (Youngs)	12	7	30	47	0	0	0	0	54				150	251	
No 10	Kerepehi	176	138	126	104	30	0	1	0	98				673	222	
No 13	Handley's	327	186	122	126	35	0	0	0	29				825	400	
No 14	Carter's	154	130	92	81	10	0	0	0	106				573	524	
No 15	Awaiti West	89	95	62	84	6	0	0	0	82				418	628	
No 16	Kerepehi Extension	311	281	195	181	0	0	0	0	115				1083	622	
No 19	Reservoir Canal/1	53	55	39	67	14	0	0	0	62				290	322	
	Reservoir Canal/2	0	0	0	0	0	0	0	0	0				0	10	
No 20	Poulgrains	44	52	71	77	6	0	0	0	119				369	94	
No 28	Awaiti South/1	55	66	30	36	0	0	0	0	12				199	176	
	Awaiti South/2	26	0	17	6	0	0	0	0	48				97	166	
No 32	T Head	655	409	502	371	137	0	95	0	358				2527	2283	
No 53	Pukahu Road	5	1	11	44	0	0	0	0	10				71	21	
No 55	Roger Harris/1	5	0	36	49	0	0	0	0	96				186	47	
	Roger Harris/2	58	33	10	0	0	0	0	0	5				106	84	
No 61	Fishers Rd	9	5	12	7	0	0	0	0	10				43	33	
		2090	1590	1457	1416	240	0	96	0	1324	0	0	0	8213	6253	
16 Stations																
19 Pumpsets																131%



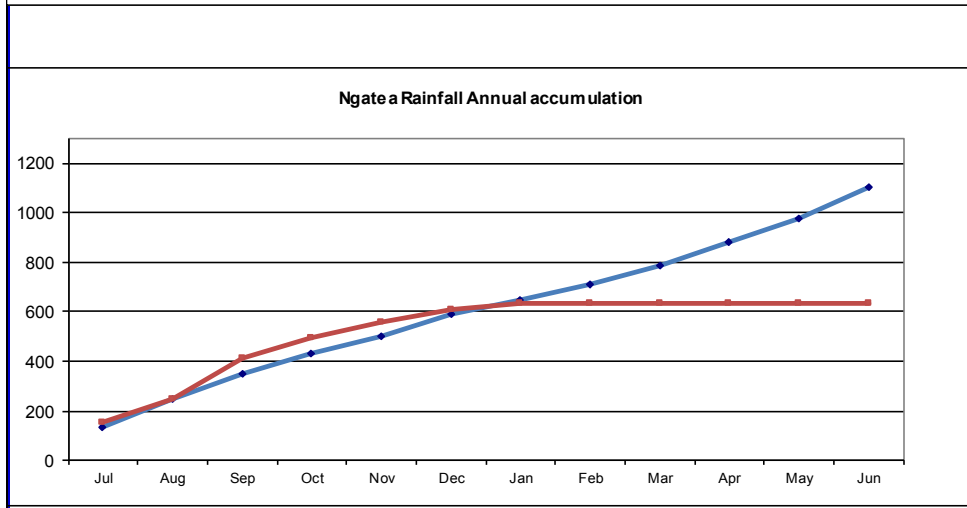
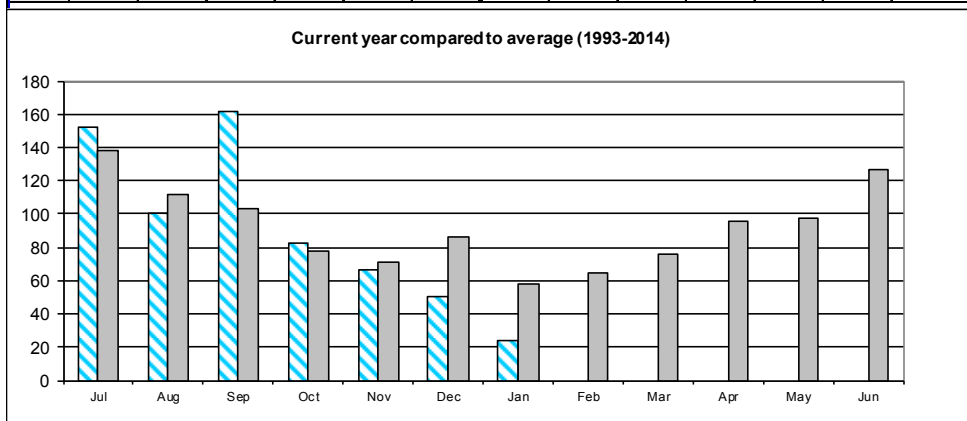
EASTERN PLAINS DRAINAGE DISTRICT, ANNUAL PUMP RUNNING HOURS



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												24
Ave.	58	64	76	95	98	127	138	111	103	78	72	86	1105
Max	270	230	197	246	176	237	299	229	222	146	207	222	1529
Min.	2	4	12	7	41	50	8	57	48	18	15	19	839
Kim's	21						142	98	136	117	76	50	640



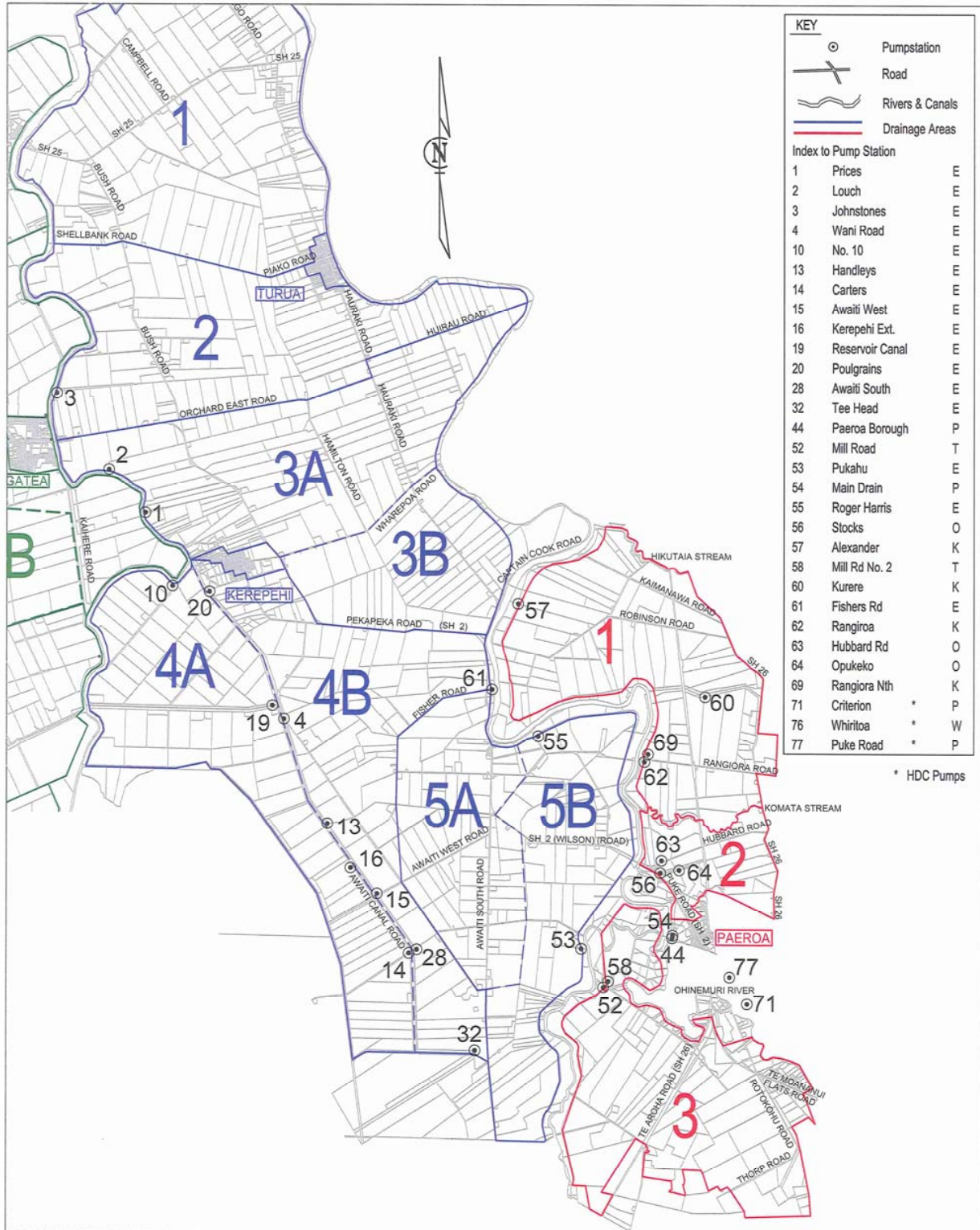
Eastern Plains Drainage District						
Financial Report for 9 months to 31 March 2017						
Item	Total Budget	Budget YTD	Actual YTD	Variance	of YTD Budget	of Total Budget
DRAINAGE OPERATIONS						
Vegetation Control						
Area 1	13,800	5,018	5,271	(253)	105%	38%
Area 2	11,200	8,287	10,130	(1,843)	122%	90%
Area 3	17,300	14,412	9,374	5,038	65%	54%
Area 4	16,400	6,774	14,049	(7,275)	207%	86%
Area 5	10,799	4,486	6,404	(1,918)	143%	59%
TOTAL	69,499	38,977	45,226	(6,249)	116%	65%
Mechanical Cleaning						
Area 1	10,000	7,497	5,306	2,191	71%	53%
Area 2	11,600	8,703	965	7,738	11%	8%
Area 3	4,000	0	1,124	(1,124)		28%
Area 4	35,399	386	2,075	(1,689)	538%	6%
Area 5	11,200	8,397	18,686	(10,289)	223%	167%
TOTAL	72,199	24,983	28,156	(3,173)	113%	39%
Maintenance/Fencing/Culverts						
Area 1	680	513	230	283	45%	34%
Area 2	680	513	195	318	38%	29%
Area 3	680	513	698	(185)	136%	103%
Area 4	680	0	65	(65)		10%
Area 5	680	52	0	52	0%	0%
TOTAL	3,400	1,591	1,189	402	75%	35%
TOTAL DRAIN MAINTENANCE	145,098	65,551	74,571	(9,020)	114%	51%
Pumps						
General	10,239	8,317	22,555	(14,238)	271%	220%
EPDD Pumps	54,100	40,444	19,460	20,984	48%	36%
TOTAL	64,339	48,761	42,016	6,745	86%	65%
Floodgates						
Floodgates	4,758	4,151	1,120	3,031	27%	24%
TOTAL	4,758	4,151	1,120	3,031	27%	24%
Stopbanks						
Tributary Banks	0	0	65	(65)		
TOTAL	0	0	65	(65)		

Item	Total Budget	Budget YTD	Actual YTD	Variance	Actual % of YTD Budget	Actual % of Total Budget
Other						
Weather Events	2,100	1,575	3,472	(1,897)	220%	165%
Asset Liaison	3,500	2,628	2,490	138	95%	71%
Consent Monitoring	0	0	0	0		
Data Collection	0	0	0	0		
Data Maintenance	3,000	2,250	0	2,250	0%	0%
Drain Inspection	4,500	3,375	2,528	847	75%	56%
Pump Operation	0	0	0	0		
Rates	0	0	0	0		
Meeting Expenses	2,700	1,800	1,095	705	61%	41%
Insurance	500	378	1,188	(810)	314%	238%
TOTAL	16,300	12,006	10,773	1,233	90%	66%
TOTAL OPERATING	230,495	130,469	128,545	1,924	99%	56%
Overheads						
Overheads	57,456	43,092	43,092	0	100%	75%
TOTAL	57,456	43,092	43,092	0	100%	75%
Depreciation						
Depreciation	25,896	19,422	19,422	0	100%	75%
TOTAL	25,896	19,422	19,422	0	100%	75%
Interest						
Interest	(9,420)	(7,065)	(7,065)	0	100%	75%
TOTAL	(9,420)	(7,065)	(7,065)	0	100%	75%
TOTAL EXPENDITURE	304,427	185,918	183,994	1,924	99%	60%

EASTERN URBAN STORMWATER						
Item	Total Budget	Budget YTD	Actual YTD	Variance	of YTD Budget	of Total Budget
Turua						
Vegetation Control	799	312	173	139	55%	22%
Reticulation Maintenance	999	747	2,131	(1,384)	285%	213%
Mechanical Cleaning	400	297	0	297	0%	0%
Maintenance/Fencing/Culverts	400	297	0	297	0%	0%
TOTAL Turua SW Maintenance	2,598	1,653	2,304	(651)	139%	89%
Floodgates	0	0	0	0		
Other						
Weather Events	0	0	0	0		
Routine Inspections	0	0	0	0		
Asset Liaison	399	297	1,264	(967)	426%	317%
Consent Monitoring	800	603	639	(36)	106%	80%
Data Collection	0	0	0	0		
Data Maintenance	0	0	0	0		
Design	0	0	0	0		
Drain Inspection	801	603	925	(322)	153%	115%
Rates	3,000	2,000	0	2,000	0%	0%
Meeting Expenses	0	0	0	0		
Insurance	1,000	747	422	325	56%	42%
TOTAL	6,000	4,250	3,250	1,000	76%	54%
TOTAL OPERATING	8,598	5,903	5,554	349	94%	65%
Overheads	12,000	9,000	9,000	0	100%	75%
Depreciation	17,676	13,257	13,257	0	100%	75%
Interest	6,444	4,833	4,833	0	100%	75%
TOTAL Turua	44,718	32,993	32,644	349	99%	73%

Item	Total Budget	Budget YTD	Actual YTD	Variance	of YTD Budget	of Total Budget
Kerepehi						
Vegetation Control	499	316	0	316	0%	0%
Reticulation Maintenance	600	450	442	8	98%	74%
Mechanical Cleaning	400	273	0	273	0%	0%
Maintenance/Fencing/Culverts	400	297	65	232	22%	16%
TOTAL Kerepehi SW Maintenance	1,899	1,336	508	828	38%	27%
SW Reticulation	0	0	0	0		
Floodgates	0	0	0	0		
Other						
Weather Events	0	0	0	0		
Routine Inspections	600	600	0	600	0%	0%
Asset Liaison	600	392	798	(406)	204%	133%
Consent Monitoring	600	600	639	(39)	107%	107%
Data Collection	0	0	0	0		
Data Maintenance	0	0	0	0		
Design	0	0	0	0		
Drain Inspection	599	450	391	59	87%	65%
Rates	3,000	2,250	0	2,250	0%	0%
Meeting Expenses	0	0	0	0		
Insurance	1,500	1,125	594	531	53%	40%
TOTAL	6,899	5,417	2,422	2,995	45%	35%
TOTAL OPERATING	8,798	6,753	2,929	3,824	43%	33%
Overheads	13,189	9,892	9,892	0	100%	75%
Depreciation	24,720	18,540	18,540	0	100%	75%
Interest	(3,480)	(2,610)	(2,610)	0	100%	75%
TOTAL Kerepehi	43,227	32,575	28,751	3,824	88%	67%
TOTAL EPDD SW EXPENDITURE	87,945	65,568	61,395	4,173	94%	70%

EASTERN PLAINS DRAINAGE DISTRICT WORK AREAS and PUMP LOCATIONS



DO NOT SCALE FROM THIS DRAWING

TITLE HAURAKI DISTRICT COUNCIL PUMPSTATION LOCATION PLAN E.P.D.D / P.R.D.D / PAEROA URBAN	DRAWN BY LIZ AUSTIN	CHECKED	FILENAME G:\Drainage\HDC Drainage District Areas Rev 6	
	DESIGNED BY	FOLDER NO.	DATE 02 MAY 2014	SHEET 2 of 2
	APPROVED - ASSET MANAGER		PLAN NUMBER 22698/1	
	APPROVED - DISTRICT ENGINEER		SCALE (A4) NTS	



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