

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:

J H Thorp

Councillors:

B A Gordon
D H Swales
G R Leonard (observer)

Staff

Ian McLeod
Bruce Stephens
Adrian de Laborde
Council Secretary



A G E N D A

EASTERN PLAINS DRAINAGE DISTRICT COMMITTEE

DATE: Tuesday 28 June 2016

TIME: 1.30pm

VENUE: Council Office
Williams Street
PAEROA

MEMBERS:

R P Hunter (Chairperson)

K R Caddy
K J Reid
P Schouten
R Webster
A Green
T Nicholson
B Conroy

J P Tregidga (Mayor)



HAURAKI DISTRICT COUNCIL

EASTERN PLAINS DRAINAGE DISTRICT

NOTICE IS HEREBY GIVEN THAT A MEETING OF THE EASTERN PLAINS DRAINAGE DISTRICT COMMITTEE WILL BE HELD IN THE COUNCIL CHAMBERS, WILLIAM STREET, PAEROA ON TUESDAY 28 JUNE 2016 COMMENCING AT 1.30PM

ORDER OF BUSINESS

- | | <u>Pages</u> |
|--|--------------|
| 1. <u>APOLOGIES</u> | |
| 2. <u>DECLARATION OF LATE ITEMS</u> | |
| Pursuant to Section 46A(7) of the Local Government Official Information and Meetings Act 1987, the Chairman is to call for late items to be accepted. | |
| 3. <u>CONFIRMATION OF MINUTES</u> | |
| 3.1 <u>MEETING HELD TUESDAY 26 APRIL 2016 (1528854)</u> | 3 |
| RECOMMENDATION | |
| THAT the minutes of the meeting of the Eastern Plains Drainage District Committee held on Tuesday 26 April 2016 are confirmed and are a true and correct record. | |
| 4. <u>MATTERS ARISING FROM THE MINUTES</u> | |
| 5. <u>DRAINAGE REPORT AND FINANCIAL REPORT TO MAY 2016 (1550678)</u> | 5 |
| 5.1 The Drainage Manager's monthly report and financial report on the operations of the Eastern Plains District Drainage Committee for the 11 months to 31 May 2016 is attached. | |
| RECOMMENDATION | |
| THAT the monthly report and the financial report on the operations of the Eastern Plains District Drainage Committee for the 11 months to 31 May 2016 be received. | |
| 6. <u>GENERAL BUSINESS</u> | |
| 6.1 <u>MEMBERS' COMMENTS</u> | |
| The members are invited to comment on any general drainage issues of interest in their areas. | |
| 7. <u>LATE ITEMS</u> | |

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 TUESDAY 25 APRIL
2016 COMMENCING AT 1.30PM

PRESENT Messrs R Hunter (Chairperson), K J Reid, K R Caddy, T Nicholson, A Green, B Conroy, P Schouten, R Webster and Cr J Thorp (from 1.32pm)

IN ATTENDANCE Cr B A Gordon, Messrs Mr I McLeod (Drainage Manager), Mr B Stephens (Drainage Overseer) and Ms C Black (Council Secretary)

APOLOGIES

There were no apologies.

LATE ITEMS

There were no late items.

Cr Thorp attended the meeting at 1.32pm.

CONFIRMATION OF MINUTES

MEETING HELD TUESDAY 23 FEBRUARY 2016 (1499877)

RESOLVED

THAT the minutes of the meeting of the Eastern Plains Drainage District Committee held on Tuesday 23 February 2016 are confirmed and are a true and correct record.

EPDD16/04

Reid/Caddy

CARRIED

MATTERS ARISING FROM THE MINUTES

De-silting of Awaiti Canal

The Drainage Manager has had discussion with the Regional Council staff. The work is subject to the conditions of the resource for stream maintenance.

Terrace Stop Bank

The Drainage Manager advised that the survey field work had been completed and that the data plan production is expected to be completed by April.

DRAINAGE REPORT AND FINANCIAL REPORT TO MARCH 2015 (1517148)

The Drainage Manager's monthly report and financial report on the operations of the Eastern Plains District Drainage Committee to March 2016 were presented.

RESOLVED

THAT the monthly report and financial report on the operations of the Eastern Plains District Drainage Committee to March 2016 be received.

EPDD16/05

Webster/Schouten

CARRIED**Kerepehi Town Road Stormwater**

The Drainage Manager reported that an alternative to the recently constructed culverts and swale drain has been proposed by Councils roading contractor for the diversion of the stormwater runoff from the kerb and channel on the south side of Kerepehi Town Road to be intercepted into two kerb sumps and to be piped to the stormwater reticulation on the north side of the road.

This information will be reported to the public meeting to be held in the Kerepehi Hall on 3 May.

Financial Report

It was queried whether the rate expenditure item in the stormwater budgets could be apportioned monthly as opposed to a lump sum.

The Eastern Plains Drainage item for insurance is three times the budget. This discrepancy will be checked by the Drainage Manager.

GENERAL BUSINESS**MEMBERS' COMMENTS**

The members were invited to comment on any general drainage issues of interest in their areas.

Cr Gordon – noted that there will be elected member vacancies for the Plains Ward and urged members to consider and encourage prospective candidates.

B Conroy – advised that the Awaiti roadside drain needs attention.

K Reid – noted the H Drain weed is building up.

R Hunter - noted that TCDC has had some issues with members of the public about the use of chemical sprays for vegetation control. He was concerned that the drainage committees may face increased costs due to possible requirements to use alternative methods of weed control.

The meeting closed at 2.30pm.

CONFIRMED

R G Hunter
Chairperson

28 June 2016



Report

To: Eastern Plains Drainage District Committee
From: Drainage Manager
Date: 20 June 2016
File reference: Document: 155 0678
Meeting date: 28 June 2016
Subject: EPDD Drainage Manager Report May 2016

Recommendation:

THAT the report be received.

1.0 OPERATIONS

1.1 Chemical spraying

287.7 km of drains have been sprayed in the year to date. This total is 104% of the total.

The details are shown in the attached tables.

1.2 Machine cleaning

33.2 km of drains have been machine cleaned in EPDD, plus 300 m in Wharf Road in Kerepehi.

1.3 Maintenance/Fencing/Culverts

No minor maintenance works have been required.

1.4 Pump operation

Regular inspection runs were undertaken in this period. Pump hours for April were 233, and May 450. The total to the end of May of 5,849 hours is 95% of the average annual hours.

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

1.5 Floodgates

Floodgate inspections were completed. No floodgates maintenance was required in the month.

1.6 Stopbanks

The final survey drawings of the Terrace stopbanks have not yet been received from the surveyor.

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 April was 51 mm, and for May was 96 mm. The total for the year to date is 1,053 mm, which is 108% of the annual average to the year to date.

5.0 **CAPITAL WORKS**

5.1 Turua

The approved piping of 99 m of open drain in Waihou Street will not now be constructed until next season.

6.0 **GENERAL**

6.1 Kerepehi Town Road Stormwater

The works have been approved by Council's Roading Manager. It is intended that the work will be completed before the end of the financial year.

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	30/03/2016	1700			
C 3	COX	B	2065	30/03/2016	2065			
C 4	NASH	B	1690	30/03/2016	1690			
C 5	PINES	B	2790	29/03/2016	2790			
C 6	BATCHELOR	A	2055	30/03/2016	2055			
C 9	ORONGO FERRY RD STH	C	2625	4/03/2016	2625			
C 9	ORONGO FERRY RD STH	C	2625	27/04/2016	2625			
C 10	STONE DRAIN	B	815					
C 11	ORONGO BOUNDARY	B	3185	4/03/2016	3185			
C 12	NO 1 DRAIN	B	2060	10/03/2016	2060			
C 13	MCCOWATT	B	400	31/03/2016	400			
C 14	TOWERS	B	1860	4/03/2016	1860			
C 16	TAYLOR	B	650	31/03/2016	650			
C 17	TAIPARI	C	3610	26/02/2016	3610			
C 18	MULES	B	1325	26/02/2016	1325			
C 19	TORR	C	2955	26/02/2016	2955			
C 20	HAURAKI ROAD WEST	A	225	25/02/2016	225			
C 23	HOLMES-BRADDOCK	B	1450					
C 24	SMITH-FROST	A	1450	3/03/2016	1450			
C 25	BELL-FROST	A	1450	26/02/2016	1450			
C 82	SHELLBANK ROAD	C	1500	24/02/2016	1500			
C 83	MILLER	O	2720	1/02/2016	1220			
C 83	MILLER	O	2720	26/02/2016	1200			
C 85	KOPUARAHI FERRY	B	1805	10/03/2016	1805			
C 86	SHELLY BEACH EAST	A	1210	10/03/2016	1210			
C 87	HUDSON-CHRISTIE	B	1675	10/03/2016	1675			
C 88	NGATAIPUA ROAD	B	925	4/03/2016	925			
C 89	FACTORY OUTLET	B	1625	29/03/2016	1625			
C 90	SHELLEY BEACH WEST	B	1505	10/03/2016	1505			
C 92	NEW CAMPBELL	B	3390	29/03/2016	3390			
C 93	GREEN	A	1600	29/03/2016	1600			
C 94	ORONGO ROAD NTH	B	475					
C 95	KOPUARAHI-ORONGO ROAD	B	2320	27/04/2016	2320			
C 97	CAMPBELL EXT	A	140					

Total Drain length	55250	Total Drain Sprayed	54695	Percentage sprayed	99%	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	3/03/2016	1475			
C 7	TURUA TOWN A	A	1475	15/04/2016	700			
C 8	TURUA TOWN B	B	320	3/03/2016	320			
C 8	TURUA TOWN B	B	320	28/04/2016	320			
C 21	MILL CREEK	B	690	25/02/2016	690			
C 22	PIAKO ROAD	B	3055	25/02/2016	3055			
C 26	JUBILEE	O	3670	4/02/2016	3670			
C 27	WILLIAMS-ANSFORD	A	225	4/02/2016	225			
C 28	WHEELER	A	850	3/02/2016	850			
C 29	OPUA ROAD	A	980	3/02/2016	980			
C 30	SLAUGHTERHOUSE	A	800	25/02/2016	800			
C 31	HAURAKI ROAD	B	215	25/02/2016	215			
C 32	WILLOW	O	4510	2/02/2016	4510			
C 32	WILLOW	O	4510	6/02/2016	4510			
C 33	SOLDIER	C	1170	2/02/2016	1170			
C 34	TE KAURI NO. 1	O	6405	6/02/2016	4000			
C 34	TE KAURI NO. 1	O	6405	9/02/2016	3000			
C 36	SUTTON	A	930	11/02/2016	930			
C 37	PIAKO ROAD STH EAST	B	1370					
C 39	GUMTOWN ROAD	B	2790	11/02/2016	2790			
C 40	TAYLOR-ALLEN	B	1800	11/02/2016	1800			
C 66	NGATEA BORROWPIT	B	1440	23/02/2016	1440			
C 68	ORCHARD EAST NTH	B	2880	24/12/2015	2880			
C 68	ORCHARD EAST NTH	B	2880	4/02/2016	2880			
C 69	K-K ROAD EAST	B	905	3/02/2016	905			
C 70	TYERMAN	A	520	4/02/2016	520			
C 71	JOHNSTONE	O	4175	1/02/2016	2400			
C 71	JOHNSTONE	O	4175	2/02/2016	1000			
C 72	JOHNSTONE FEEDER NTH	B	1685	23/02/2016	1685			
C 73	JOHNSTONE INTERNAL	B	1685	24/02/2016	1685			
C 75	HORAHIA ROAD	B	1215	23/02/2016	1215			
C 76	BLAKE BORROWPIT	B	2020	23/02/2016	2020			
C 77	KNEEBONE	B	1020	3/02/2016	1020			
C 78	SLOANE	O	2720	3/02/2016	1500			
C 79	SLOANE FEEDER	A	750	4/02/2016	750			
C 80	JAMES	B	1750	1/02/2016	1000			
C 80	JAMES	B	1750	24/02/2016	1750			
C 81	K-K ROAD EAST NTH	A	500					
C 96	SPEEDY	A	910	23/02/2016	910			

Total Drain length	55430	Total Drain Sprayed	61570	Percentage sprayed	111%	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	11/02/2016	1680			
C 42	TE KAURI NO. 2	O	4895	2/02/2016	1600			
C 42	TE KAURI NO. 2	O	4895	6/02/2016	3295			
C 43	TURUA-NETHERTON	A	285	8/02/2016	285			
C 45	ZIG-ZAG	B	1620	2/02/2016	1620			
C 46	BAGNALL-ANSFORD	C	3905	2/02/2016	3905			
C 47	WHAREPOA ROAD NTH	B	4155	25/01/2016	4155			
C 48	WHAREPOA ROAD STH	B	4280	26/01/2016	4280			
C 49	TURUA-NETHERTON ROAD STH	B	3290	26/01/2016	3290			
C 50	MONGANUI	C	4075	27/01/2016	4075			
C 51	HANDLEY	C	5200	27/01/2016	5200			
C 52	PORRITT	C	1100	26/01/2016	1100			
C 53	PEKAPEKA-CAPTAIN COOK	C	3330					
C 54	KEREPEHI FEEDER	B	3970	12/02/2016	3970			
C 55	KEREPEHI TOWNSHIP	B	1025	12/02/2016	1025			
C 57	PRICE	O	2910	6/02/2016	1100			
C 57	PRICE	O	2910	12/02/2016	1000			
C 58	CHALLIS FEEDER	A	690	15/02/2016	690			
C 60	LOUCH-MCDUFF	B	1005	24/02/2016	1005			
C 61	PRICE FEEDER NTH	B	3370	8/02/2016	3370			
C 62	PRICE FEEDER STH	A	545	15/02/2016	545			
C 63	TYE	B	720	7/03/2016	720			
C 64	BORROWPIT	B	1380	7/03/2016	1380			
C 65	SUBDIVISION	B	2005	24/02/2016	2005			
C 67	ORCHARD EAST STH	B	2880	28/01/2016	2880			
C 74	GREEN-MILLER	B	1720	5/02/2016	1720			

Total Drain length	60035	Total Drain Sprayed	55895	Percentage sprayed	93%	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	4/02/2016	4110			
D 1	RESERVOIR CANAL	O	4110	1/05/2016	4110			
D 2	RYAN	B	2325	16/02/2016	2325			
D 3	KNEEBONE	O	4700	4/02/2016	4700			
D 3	KNEEBONE	O	4700	1/05/2016	4700			
D 4	BENNY	A	590	16/02/2016	590			
D 5	BURTON	C	750	4/02/2016	750			
D 6	HARVEY	A	395	8/03/2016	395			
D 7	BLOOMFIELD	B	1520	12/02/2016	1520			
D 8	RIDINGS	A	890					
D 9	LAVERICK	A	890					
D 10	LANGDON	B	1175	1/04/2016	1175			
D 11	HARRIS-CADDY	O	4950	8/03/2016	4950			
D 12	CARTER	O	6720	4/02/2016	4000			
D 12	CARTER	O	6720	1/03/2016	3000			
D 20	TOWN	A	290	5/02/2016	290			
D 20	TOWN	A	290	28/04/2016	290			
D 21	LION	A	360					
D 22	NORTH CATCHMENT	C	2090	28/01/2016	2090			
D 23	SOUTH CATCHMENT	O	9565	4/02/2016	9565			
D 23	SOUTH CATCHMENT	O	9565	15/03/2016	3000			
D 24	SPENCER	B	1310	29/01/2016	1310			
D 25	HAYES	B	1185	9/03/2016	1185			
D 26	JORDAN	A	470	16/03/2016	470			
D 27	CANDY	B	1990	9/03/2016	1990			
D 28	PATTERSON-MUNROE	A	175					
D 29	DON	B	2590	15/03/2016	2590			
D 30	HANDLEY	B	1665	22/03/2016	1665			
D 31	COLDICUTT	B	1615	16/03/2016	1615			
D 32	MUNROE	A	560	23/03/2016	560			
D 33	WHISKY	B	1490	9/02/2016	1490			
D 34	WEST	C	610	23/03/2016	610			
D 35	CONSTANTINE	B	900	23/03/2016	900			
D 36	KELLY	A	440	23/03/2016	440			
D 37	SIMPSON	O	2830	4/02/2016	2830			
D 38	NORTH CATCHMENT EXTENSION	A	670					

Total Drain length	59820	Total Drain Sprayed	69215	Percentage sprayed	116%	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	7/02/2016	4065			
D 40	MCCORMICK-JEFFERIES	C	4065	4/04/2016	700			
D 41	P.W.O.	B	550	4/04/2016	550			
D 42	TOMLINSON	B	1550	4/04/2016	1550			
D 43	AWAITI	O	5315	25/01/2016	5315			
D 44	SCHOOL ROAD	B	2150	22/03/2016	2150			
D 45	CREAM DUMP	A	200	4/04/2016	200			
D 46	LOCK	B	1140	7/04/2016	1140			
D 47	CAMPBELL	B	1400	22/01/2016	1400			
D 48	OLESEN	B	1610	22/01/2016	1610			
D 49	BRADSHAW	A	460	23/03/2016	460			
D 50	HEWITT	A	470	23/03/2016	470			
D 51	CROSBY	B	1135	22/01/2016	1135			
D 52	BENNETT	B	3015	7/04/2016	3015			
D 53	JOHNSON	A	430	25/01/2016	430			
D 54	BRUNT	A	510					
D 55	PUKAHU FEEDER	O	640					
D 56	FISHER ROAD	B	500					
D 60	H DRAIN	O	10380	22/01/2016	300			
D 60	H DRAIN	O	10380	7/02/2016	10380			
D 60	H DRAIN	O	10380	7/04/2016	300			
D 61	MORRISON	B	1130	4/04/2016	1130			
D 62	BRADLEY	C	830	5/04/2016	830			
D 63	OLD PAEROA ROAD	B	2125	5/04/2016	2125			
D 64	WILSON	A	420	5/04/2016	420			
D 65	SMITH	A	765	25/01/2016	765			
D 66	CASSEY	B	1370	5/04/2016	1370			
D 68	WIREHANA	A	440	5/04/2016	440			
D 69	BAIN	A	230					
D 71	JAMIESON	B	790	7/04/2016	790			
D 72	FIRTH	B	680	7/04/2016	680			
D 73	MUDFORD	C	210					
D 74	VOWLES	B	1510	5/04/2016	1510			
D 75	MCMILLAN	C	1140	22/01/2016	200			
D 75	MCMILLAN	C	1140	7/02/2016	900			

Total Drain length	47160	Total Drain Sprayed	46330	Percentage sprayed	98%	Total Drain Cleaned	0	Percentage cleaned	0%
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EASTERN PLAINS DRAINAGE DISTRICT – PUMP RUNNING HOURS 2015-16

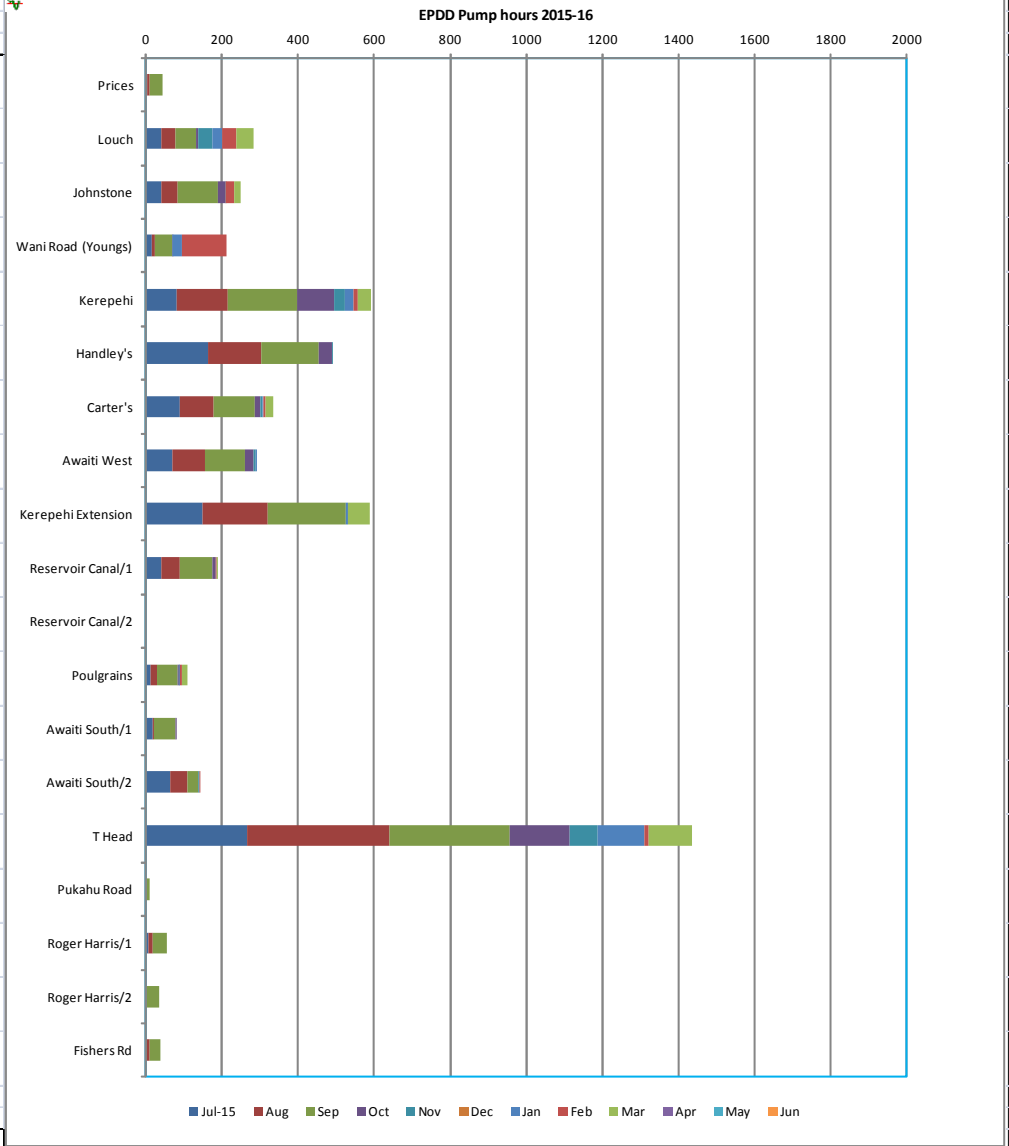
Eastern Plains DD		Jul-15	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Average
No 1	Prices	4	5	34	0	0	0	0	0	0				43	36
No 2	Louch	40	38	55	4	39	0	23	38	47				284	60
No 3	Johnstone	40	42	106	21	1	0	0	21	17				248	251
No 4	Wani Road (Young)	14	9	46	1	0	0	24	118	0				212	249
No 10	Kerepehi	80	136	180	98	28	0	24	12	34				592	192
No 13	Handley's	163	140	152	34	1	0	0	0	0				490	377
No 14	Carter's	88	89	108	15	5	0	5	5	19				334	521
No 15	Awaiti West	68	87	105	23	7	0	3	0	0				293	639
No 16	Kerepehi Extension	150	170	206	0	0	0	5	0	59				590	609
No 19	Reservoir Canal/1	40	50	86	8	0	0	0	1	3				188	325
	Reservoir Canal/2	0	0	0	0	0	0	0	0	0				0	10
No 20	Poulgrains	13	16	53	4	1	0	3	5	13				108	91
No 28	Awaiti South/1	19	2	57	2	0	0	0	0	0				80	172
	Awaiti South/2	62	46	29	0	2	0	0	1	0				140	167
No 32	T Head	266	375	315	159	73	0	124	10	114				1436	2283
No 53	Pukahu Road	0	0	8	0	0	0	0	0	0				8	22
No 55	Roger Harris/1	5	14	36	0	0	0	0	0	0				55	47
	Roger Harris/2	0	0	36	0	0	0	0	0	0				36	83
No 61	Fishers Rd	0	9	30	0	0	0	0	0	0				39	32
		1052	1228	1642	369	157	0	211	211	306	0	0	0	5176	6165

16 Stations

84%

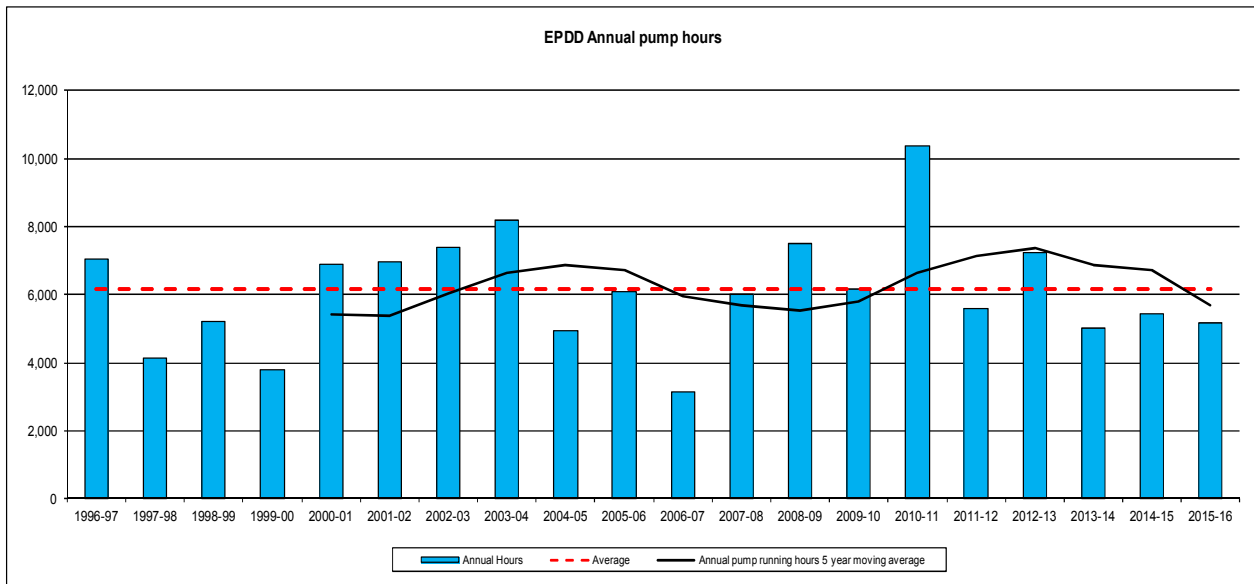
19 Pumpsets

Capacity m3/s

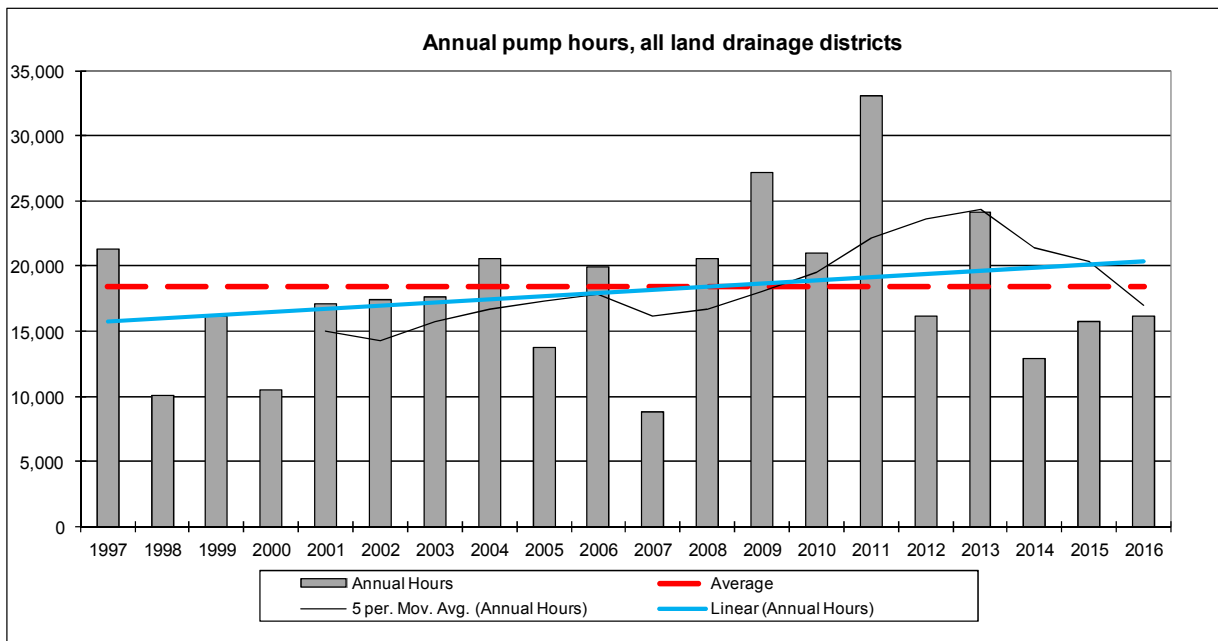


24.7

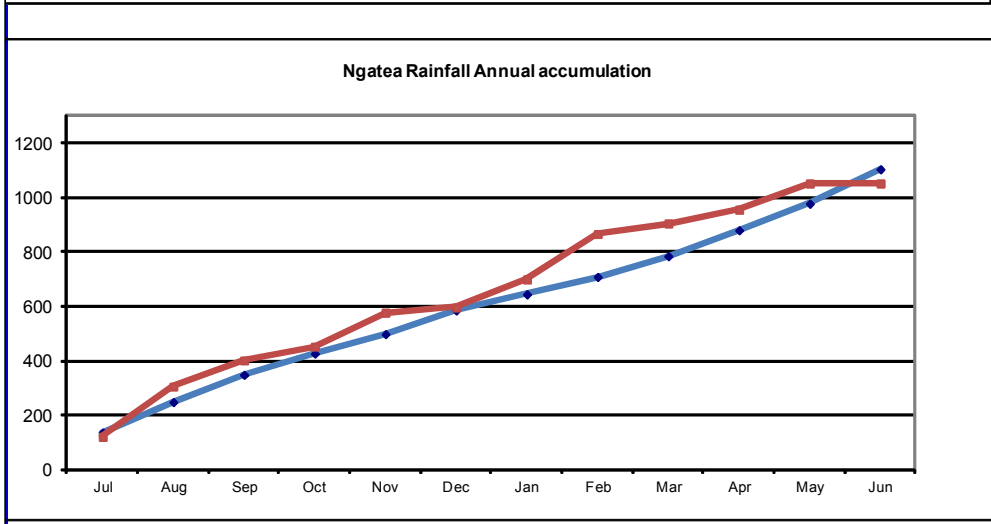
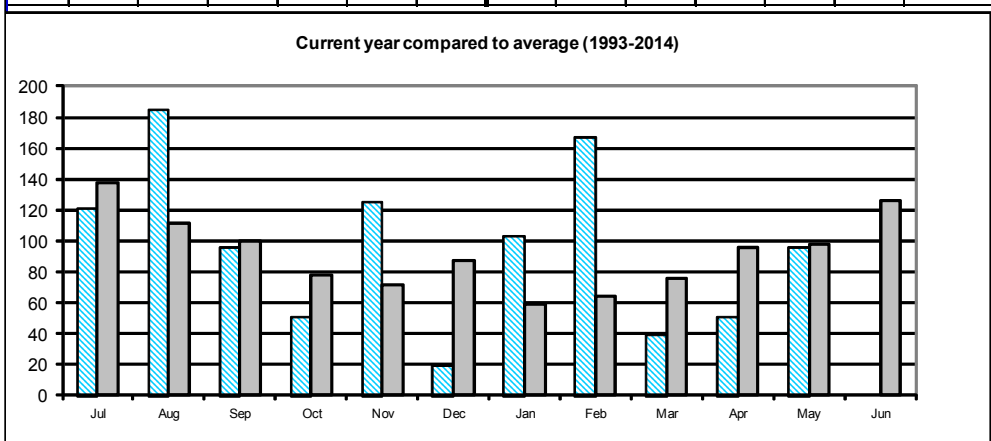
EASTERN PLAINS DRAINAGE DISTRICT, ANNUAL PUMP RUNNING HOURS

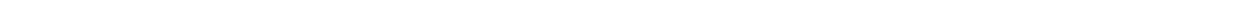


ANNUAL PUMP RUNNING HOURS, ALL DISTRICTS



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								456	
Ave.	59	64	76	95	98	126	137	112	100	78	72	88	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	27	839	
Kim's	107	187	54	69	144		105	158	84	64	112		1084	





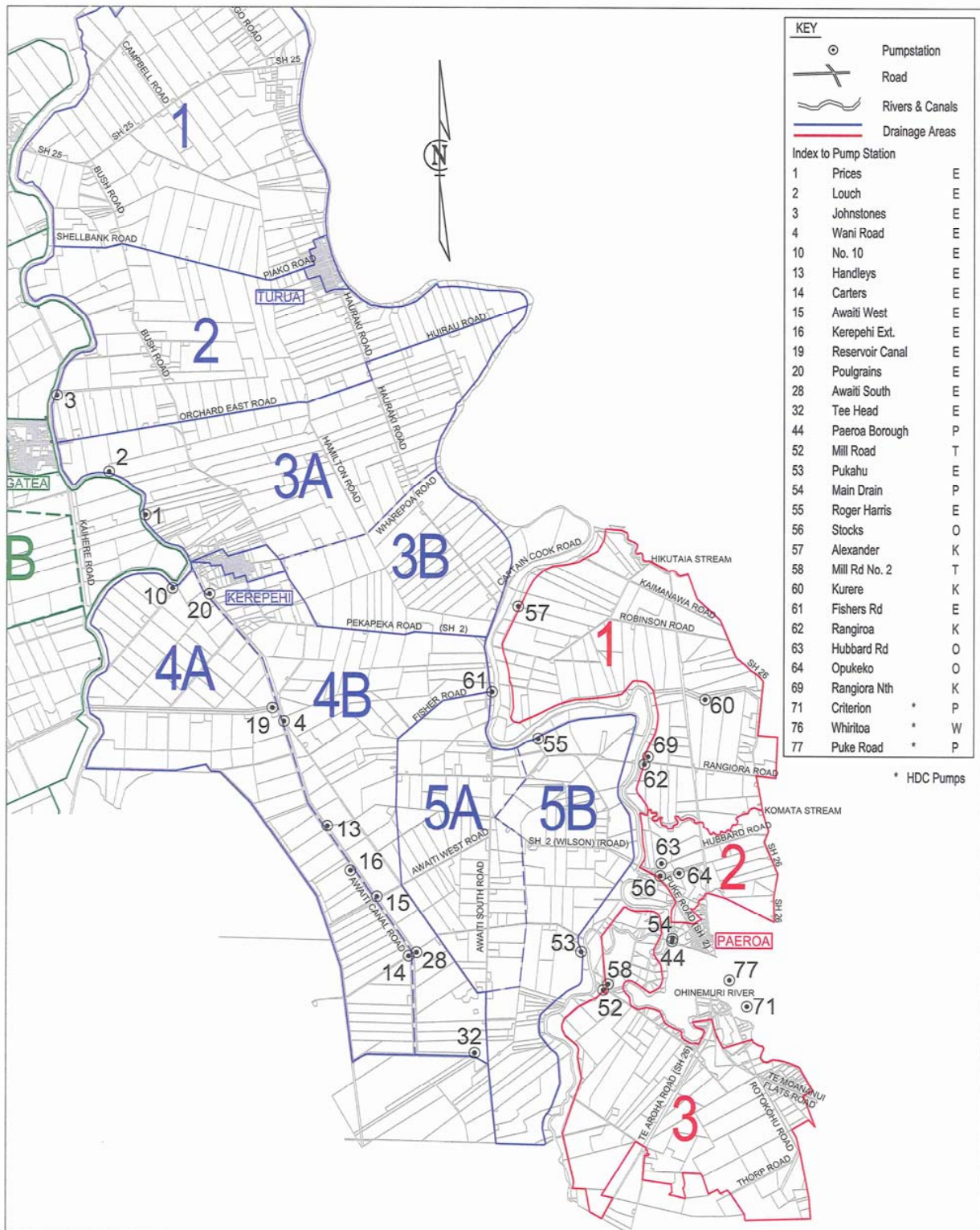
Eastern Plains Drainage District						
Financial Report for 11 months to 31 May 2016						
Item	Total Budget	Budget YTD	Actual YTD	Variance	of YTD Budget	of Total Budget
DRAINAGE OPERATIONS						
Vegetation Control						
Area 1	13,800	11,587	10,287	1,300	89%	75%
Area 2	11,200	9,333	10,244	(911)	110%	91%
Area 3	17,300	14,416	13,220	1,196	92%	76%
Area 4	16,400	13,713	12,990	723	95%	79%
Area 5	10,800	9,311	11,498	(2,187)	123%	106%
TOTAL	69,500	58,360	58,240	120	100%	84%
Mechanical Cleaning						
Area 1	10,000	10,000	0	10,000	0%	0%
Area 2	11,600	11,600	0	11,600	0%	0%
Area 3	4,000	4,000	0	4,000	0%	0%
Area 4	35,400	35,004	36,717	(1,713)	105%	104%
Area 5	11,200	11,200	920	10,280	8%	8%
TOTAL	72,200	71,804	37,637	34,167	52%	52%
Maintenance/Fencing/Culverts						
Area 1	680	627	0	627	0%	0%
Area 2	680	627	436	191	69%	64%
Area 3	680	627	0	627	0%	0%
Area 4	680	627	0	627	0%	0%
Area 5	3,680	3,377	5,707	(2,330)	169%	155%
TOTAL	6,400	5,885	6,143	(258)	104%	96%
TOTAL DRAIN MAINTENANCE	148,100	136,049	102,020	34,029	75%	69%
Pumps						
General	10,240	9,383	9,980	(597)	106%	97%
EPDD Pumps	54,100	49,588	18,955	30,633	38%	35%
TOTAL	64,340	58,971	28,935	30,036	49%	45%
Floodgates						
Floodgates	4,758	4,356	2,246	2,110	52%	47%
TOTAL	4,758	4,356	2,246	2,110	52%	47%
Stopbanks						
Tributary Banks	0	0	0	0		
TOTAL	0	0	0	0		

Item	Total Budget	Budget YTD	Actual YTD	Variance	Actual % of YTD Budget	Actual % of Total Budget
Other						
Weather Events	2,100	1,925	0	1,925	0%	0%
Asset Liaison	3,500	3,212	1,199	2,013	37%	34%
Consent Monitoring	0	0	0	0		
Data Collection	0	0	731	(731)		
Data Maintenance	3,054	2,794	0	2,794	0%	0%
Drain Inspection	4,500	4,125	1,649	2,477	40%	37%
Pump Operation	0	0	0	0		
Rates	0	0	0	0		
Meeting Expenses	2,700	2,025	1,138	887	56%	42%
Insurance	500	500	1,494	(994)	299%	299%
TOTAL	16,354	14,581	6,212	8,369	43%	38%
TOTAL OPERATING	233,552	213,957	139,412	74,545	65%	60%
Overheads						
Overheads	56,273	51,579	51,584	(5)	100%	92%
TOTAL	56,273	51,579	51,584	(5)	100%	92%
Depreciation						
Depreciation	25,900	23,738	23,738	0	100%	92%
TOTAL	25,900	23,738	23,738	0	100%	92%
Interest						
Interest	(7,850)	(7,194)	(7,194)	0	100%	92%
TOTAL	(7,850)	(7,194)	(7,194)	0	100%	92%
TOTAL EXPENDITURE	307,875	282,080	207,540	74,540	74%	67%

EASTERN URBAN STORMWATER						
Item	Total Budget	Budget YTD	Actual YTD	Variance	of YTD Budget	of Total Budget
Turua						
Vegetation Control	800	800	307	493	38%	38%
Reticulation Maintenance	1,000	949	296	653	31%	30%
Mechanical Cleaning	400	400	0	400	0%	0%
Maintenance/Fencing/Culverts	400	363	0	363	0%	0%
TOTAL Turua SW Maintenance	2,600	2,512	603	1,909	24%	23%
Floodgates	0	0	0	0		
Other						
Weather Events	0	0	0	0		
Routine Inspections	0	0	0	0		
Asset Liaison	400	363	393	(30)	108%	98%
Consent Monitoring	800	800	147	653	18%	18%
Data Collection	0	0	65	(65)		
Data Maintenance	0	0	0	0		
Design	0	0	0	0		
Drain Inspection	800	737	628	109	85%	79%
Rates	3,000	0	0	0		0%
Meeting Expenses	0	0	0	0		
Insurance	1,000	1,000	531	469	53%	53%
TOTAL	6,000	2,900	1,763	1,137	61%	29%
TOTAL OPERATING	8,600	5,412	2,366	3,046	44%	28%
Overheads	11,755	10,780	10,775	5	100%	92%
Depreciation	17,200	15,763	15,763	0	100%	92%
Interest	2,968	2,717	2,717	0	100%	92%
TOTAL Turua	40,523	34,672	31,621	3,051	91%	78%

Item	Total Budget	Budget YTD	Actual YTD	Variance	of YTD Budget	of Total Budget
Kerepehi						
Vegetation Control	500	500	224	276	45%	45%
Reticulation Maintenance	600	550	375	175	68%	62%
Mechanical Cleaning	400	400	547	(147)	137%	137%
Maintenance/Fencing/Culverts	400	363	0	363	0%	0%
TOTAL Kerepehi SW Maintenance	1,900	1,813	1,145	668	63%	60%
SW Reticulation	0	0	0	0		
Floodgates	0	0	0	0		
Other						
Weather Events	0	0	0	0		
Routine Inspections	600	550	0	550	0%	0%
Asset Liaison	600	550	471	79	86%	79%
Consent Monitoring	600	600	147	453	25%	25%
Data Collection	0	0	65	(65)		
Data Maintenance	0	0	0	0		
Design	0	0	0	0		
Drain Inspection	600	550	550	1	100%	92%
Rates	3,000	0	0	0		0%
Meeting Expenses	0	0	0	0		
Insurance	1,500	1,500	747	753	50%	50%
TOTAL	6,900	3,750	1,980	1,770	53%	29%
TOTAL OPERATING	8,800	5,563	3,124	2,439	56%	36%
Overheads	12,924	11,847	11,847	0	100%	92%
Depreciation	24,400	22,363	22,363	0	100%	92%
Interest	(4,346)	(3,982)	(3,982)	0	100%	92%
TOTAL Kerepehi	41,778	35,791	33,352	2,439	93%	80%

EASTERN PLAINS DRAINAGE DISTRICT WORK AREAS and PUMP LOCATIONS



KEY

- ⊙ Pumpstation
- Road
- ~ Rivers & Canals
- ▭ Drainage Areas

Index to Pump Station

1	Prices	E
2	Louch	E
3	Johnstones	E
4	Wani Road	E
10	No. 10	E
13	Handleys	E
14	Carters	E
15	Awaiti West	E
16	Kerepehi Ext.	E
19	Reservoir Canal	E
20	Poulgrains	E
28	Awaiti South	E
32	Tee Head	E
44	Paeroa Borough	P
52	Mill Road	T
53	Pukahu	E
54	Main Drain	P
55	Roger Harris	E
56	Stocks	O
57	Alexander	K
58	Mill Rd No. 2	T
60	Kurere	K
61	Fishers Rd	E
62	Rangiora	K
63	Hubbard Rd	O
64	Opukeko	O
69	Rangiora Nth	K
71	Criterion	* P
76	Whiritoa	* W
77	Puke Road	* P

* HDC Pumps

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
APPROVED - ASSET MANAGER		PLAN NUMBER 22698/1
APPROVED - DISTRICT ENGINEER		SHEET 2 of 2
		SCALE (A4) NTS

