1941. NEW ZEALAND.

DEPARTMENT OF LANDS AND SURVEY.

SWAMP DRAINAGE.

REPORT FOR THE YEAR ENDED 31st MARCH, 1941, TOGETHER WITH STATEMENTS OF ACCOUNTS.

Presented to both Houses of the General Assembly pursuant to Section 13 of the Swamp Drainage Act, 1915.

Department of Lands and Survey, Wellington, 1st July, 1941.

SIR.

In pursuance of section 13 of the Swamp Drainage Act, 1915, I have the honour to forward the report of the Chief Drainage Engineer covering operations on lands proclaimed under the Swamp Drainage Act and amendments.

I have, &c.,

R. G. MACMORRAN,

The Hon. Frank Langstone, Minister of Lands.

Under-Secretary for Lands.

REPORT OF THE CHIEF DRAINAGE ENGINEER.

I have the honour to submit my annual report on the areas proclaimed under the Swamp Drainage Act, 1915, and its amendments for the year ending 31st March, 1941.

KAITAIA DRAINAGE AREA (61,430 ACRES), MANGONUI COUNTY.

The completion of the Waipapakauri outlet this year has resulted in improved drainage to the Kaitaia Small-farms Area, also to the farm land along the route.

The Monighan Drag-line No. 18 employed on this operation is now laid up.

Rainfall for the year amounted to 48·49 in., a decrease of 15 in. for the previous year. January was the wettest month, when a total of 8·41 in. fell on fourteen days. Records for the year, including river-gauge readings, are shown hereunder:—

Rainfall and River-gauge Readings for Year ending 31st March, 1941.

Month.		Rainfall	Wet Days	Highest Rain- fall for Twenty-four	Kaitaia River-gauge, Wai kuriki Bridge.		
			(Inches).	in Month.	Hours (Inches).	Highest.	Lowest.
1	940.						
April			$5 \cdot 57$	14	$2 \cdot 65$	$54 \cdot 1$	$52 \cdot 3$
May			$6 \cdot 17$	19	1.07	$58 \cdot 6$	$52 \cdot 2$
June			3.09	16	0.83	58.5	$53 \cdot 2$
July			$2 \cdot 47$	9	0.62	$57 \cdot 7$	$53 \cdot 2$
August			$3 \cdot 54$	18	0.65	$57 \cdot 8$	$53 \cdot 1$
September			$3 \cdot 12$	15	0.86	$57 \cdot 9$	$52 \cdot 6$
October			$3 \cdot 16$	11	. 0.65	$57 \cdot 5$	$52 \cdot 5$
November			3.70	14:	0.99	$59 \cdot 5$	$52 \cdot 7$
December			$1 \cdot 38$	4	0.65	$53 \cdot 8$	$52 \cdot 3$
	941.	1					
January			$8 \cdot 41$	14	$2 \cdot 16$	$57 \cdot 3$	$52 \cdot 5$
February			1.99	6	1.02	$55 \cdot 8$	$52 \cdot 2$
March	••		5.89	9	3.30	$62 \cdot 4$	$52 \cdot 3$
Totals	s	-	48.49	149	-		

Drains.—Yates and Mathews drains were widened and deepened for 21 and 45 chains respectively, which enabled improvements to be effected to internal drains connected to same, and in addition the usual 60 miles of main drains were cleaned.

Stop-banks and Flood-gates.—A portion of the stop-bank on the Awanui River is causing concern owing to erosion caused by the wash from shipping. This erosion will be further investigated and a report submitted. General repairs were effected to stop-banks and flood-gates as found necessary.

Whangatane Spillway.—No work was carried out during the year. There is, however, considerable silting taking place between the spillway and Quarry Road, and as the discharge capacity has been affected steps will be necessary to remove the silt.

Expenditure and Rates.—The net maintenance expenditure for the year was £1,429 9s. 11d.

1940–41 rates struck were—Town: Special, £440 18s. 4d.; general, £200 14s. 2d. Rural: Special, £3,442 1s. 5d.; general, £1,925 19s.

The amount paid during the year on account of current rates and arrears was—Town: Special, £420 19s. 8d.; general, £209 18s. 8d. Rural: Special, £515 18s. 8d.; general, £271 14s. 11d.

HIKURANGI DRAINAGE AREA (50,000 ACRES), WHANGAREI COUNTY.

The only expenditure was in connection with the overhaul and disposal of plant during the first two months of the year amounting to £55 7s. 6d.

Waihi Drainage Area (20,000 Acres), Tauranga County.

Maintenance work on stop-banks, bridges, and flood-pump were continued during the year, together with the seasonal cleaning operations of 36 miles 30 chains of drains.

A rearrangement of the outfall near the stockyard was made, and subdivisional drains constructed

between the Pongakawa West and the Wharere and Central drains.

The Te Puke Flax-milling Co., lessees of the Pukehina Block swamp area on the eastern side of the Pongakawa Stream, have installed a small land drainage pumping station and commenced sowing an area of swamp in grass.

The net maintenance expenditure for the year was £917.

1940-41 rates struck were: Special, £793 6s. 5d.; general, £1,369 8s. 7d.

The amount paid during the year on account of current rates and arrears was: Special, £1,093 4s. Id.; general, £1,476 10s. 6d.

Poukawa Drainage Area (15,567 Acres), Hawke's Bay.

Maintenance of completed works was carried out during the year, and I am indebted to the Commissioner of Crown Lands, Napier, for the preparation and inspection of drain-cleaning contracts.

The net maintenance expenditute during the year was £358 17s. 1d. 1940 41 rates struck were: Special, £1,121 1s. 5d.; general, £312 1s. 2d.

The amount paid during the year on account of current rates and arrears was: Special, £407 17s. 8d.; general, £101 17s. 10d.

I have, &c.,

R. L. Innis, Chief Drainage Engineer.

The Under-Secretary for Lands, Wellington.

SWAMP LAND DRAINAGE SCHEME.

RATE ACCOUNTS FOR YEAR ENDED 31ST MARCH, 1941.

KAITAIA DRAINAGE AREA.

Special Rate Accounts: Capital.

		Spec	vial Rate Ac	counts : Capital.			
Dr. Transfer to Reserve Interest charges Remissions Balance, 31st March, 19	 	£ 467 2,533 148	Town Subdivision. £ 64 346 1 100 £511	Cr. Balance, 1st April, 1940 Rates levied 1940-41 10-per-cent. penalty on unpaid rates	 ::	£ 1,703	Town Subdivision. £ 54 441 16 £511
		Genera	l Rate Accou	unts : Maintenance.			
I)r. Remissions Cost of maintenance Balance, 31st March, 19	 	£ 57 1,230	Town Subdivision. £ 200 174 £374	Cr. Balance, 1st April, 1940 Rates levied	• • • • • • • • • • • • • • • • • • • •	Rural Subdivision. £ 971 1,773 153 $\underbrace{£2,897}$	Town Subdivision. £ 164 201 9
						Burney Comment	-

SWAMP LAND DRAINAGE SCHEME—continued.

RATE ACCOUNTS FOR YEAR ENDED 31ST MARCH, 1941—continued.

WAIHI DRAINAGE AREA.

Special Ra	e Accounts	: Ca	pital.
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Dr. Balance, 1st April, 1940 Transfer to Reserve Interest charges Balance, 31st March, 1941			Pukehina Ward. £ 1,287 46 208 449 £1,990	Katkokopu Ward. £ 69 313 285 	Cr. Balance, 1st April, 1940	Pukehina Ward. £ 320 13 1,657 £1,990	Kaikokopu Ward. £ 207 430 30 £667
					unts: Maintenance.	X7 /1 1	Control 2
		Pukehina Ward	Kaikokop Ward	Ward.	Ward.	a Kaikokop Ward,	Ward.
Dr.		£	£	£ 1,059	Cr. £ Balance, 1st April, 1940	£ 152	£
Balance, 1st April, 1940 Maintenance-costs		$\frac{458}{92}$	459	$\frac{1,039}{367}$	Rates levied	579	551
Remissions		••		2	10-per-cent. penalty on unpaid rates 7	37	19
Balance, 31st March, 1941		1,082	309	1,049	Adjustment in respect of rates remitted 1,449		1,907
		£1,632	£768	£2,477	$\overline{\mathfrak{t}_{1,632}}$	£768	£2,477
Cr. Transfer to Reserve Interest charges Remissions Balance, 31st March, 1941					Alnage Area. counts: Capital. Cr. Balance, 1st April, 1940 Rates levied 10-per-cent. penalty added to unpaid rates		£ 325 1,121 87
			Genera		unt : Maintenance.		£
Cr. Balance, 1st April, 1940				$\begin{array}{ccc} & \mathfrak{L} & \\ 195 \end{array}$	Cr. Rates levied		312
Cost of maintenance				359	10-per-cent, penalty added to unpaid rates	• •	18
Remissions Balance, 31st March, 1941				162	Thirds Adjustment in respect of Thirds previously	credited	108 to
Darance, 31st March, 1941	• •	• •	••		Drainage Works Account	··	917
				£1,355			$\pounds1,355$

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 1941.

	Public Wo Fund.	rks Consoli- dated Fund.	Pu	blic Worl Fund.	s Consoli- dated Fund.
Receipts.	£	£	Payments.	£	£
Rents from national-endowment land in Waih	i		Rates refunded		2
Drainage Area		349	Kaitaia Drainage Area: Maintenance, com-		
Interest on sales of land		38	pleted works		1,538
Special rate for interest and sinking fund—			Hikurangi Drainage Area: Drainage-works,		
Waihi Drainage Area		1,093	&c	55	
Kaitaia Drainage Area		942	Poukawa Drainage Area—		
Poukawa Drainage Area		408	Maintenance, completed works		295
General Rate for Administration and]		Drainage-works, &c	3	
Maintenance-			Waihi Drainage Area: Maintenance, com-		
Waihi Drainage Area		1,485	pleted works		867
Kaitaia Drainage Area		484	Refund of recoveries on account of expenditure		
Poukawa Drainage Area		102	of previous years	4	
Thirds		157	Transfer receipts to Treasury Adjustment		
Sundry rents		34	Account		5,314
Miscellaneous		222	Transfer receipts to Public Works Fund		
Credits in reduction of expenditure	758		Account	818	
Recoveries on account of expenditure of	•				
previous years	60				
Transfer of expenditure to Treasury Adjust-					
ment Account		2,702			
Transfer of expenditure to Public Works Fund					
$\Lambda { m count}$	62				
	£880	£8,016		£880	£8,016

SWAMP LAND DRAINAGE SCHEME-continued.

BALANCE-SHEET AS AT 31ST MARCH, 1941

		BAL	ANCE-SHE	ET AS A	т 31sт Максн, 1941.	
	bilities.			. 1	Assets. Kaitaia Drainage Area £ £	,
Capital Account—			£ 498,832	£	Kaitaia Drainage Area————————————————————————————————————	-
Public Works Fund Less Loans Redemption A	ecount			1	levied-	
Tross Hours Tronging 11	coount			498,427	Rural Subdivision 60,000	
Reserve: Repayment of capita	ıl costs				Town Subdivision 8,200	200
Kaitaia Drainage Area—		£			Excess cost of works not recoverable 164,101	, 200
Rural Subdivision Town Subdivision	• •	$\frac{4,174}{570}$			Interest Account: Amount chargeable to area	
10wn Subdivision	••		4,744		capitalized to 31st March, 1940 168,958	
Waihi Drainage Area—	£		•		333,	,059
Pukehina Subdivision	404				Waihi Drainage Area— Allocated cost of work on which rates are	
Less capital liability remitted	167				levied—	
remideat		237			Pukehina Subdivision 5,000	
Kaikokopu Subdivision		606			Kaikokopu Subdivision 7,500	
			843	i	Central Subdivision $46,367$,867
Poukawa Drainage Area Less capital liability	• •	$\frac{1,171}{289}$			Excess cost of works not recoverable 28,643	,
Less capital harmly	• •	200	882		Interest Account: Amount chargeable to area	
				6,469	and capitalized to 31st March, 1940 48,576	910
Rate Accounts—						,219
Special Rate Accounts: Cap	ntal				Poukawa Drainage Area— Drainage-works 17,440	
Kaitaia Drainage Area— Rural Subdivision		1,997			Interest Account: Amount chargeable to area 1,472	
Town Subdivision	• • • • • • • • • • • • • • • • • • • •	100			18.	,912
			2,097		Hikurangi Drainage Area— Drainage-works	
Waihi Drainage Area—			285		Drainage-works	
Kaikokopu Subdivision Pukehina Subdivision			448		Dess amount without on	
Poukawa Drainage Area	•••	• • • • • • • • • • • • • • • • • • • •	400		74,699	
				3,230	Interest Account: Amount chargeable to area and capitalized to 31st March, 1940 163,068	
General Rate Accounts: Ma	intenance	·—				,767
Kaitaia Drainage Area— Rural Subdivision		1,610			Mangawai Drainage Area—	,
Town Subdivision		174			Drainage-works 1,878	
			1,784		Interest Account: Amount charged to works	
Waihi Drainage Area—		1 000			to 31st March, 1939 1,606	
Pukchina Subdivision Central Subdivision	• •	1,083 $1,049$			3,484	
Kaikokopu Subdivision		309			Less amount written off 3,484	
			2,441			• •
Poukawa Drainage Area	• •		639	4 961	Harihari Drainage Area Drainage-works 4,355	
Sundry creditors				4,864	Interest Account: Amount chargeable to area	
Miscellaneous			28		and capitalized to 31st March, 1940 3,429	
Departmental					Accompany to the contract of t	,784
				35	Unpaid purchase-money on land sold on deferred payment	713
Rents charged in advance Payments in advance : Rates	• •			$\frac{95}{1}$	payment Buildings	,359
Buildings Suspense				229	Buildings: Loading	229
Drainage Works Suspense				713	Traite and machinery	068 - 105
Writings-off in Suspense				5,286	Loose tools Stores on hand	,585
Treasury Adjustment Account	• • •	• • •	• • •	365,951	Stores on hand	122
					Sundry debtors for Rates-	
					Drainage Area. Capital. Maintenance. \pounds	
						,000
					Waihi 2,850 2,476 5	,326
					Poukawa 1,428 253 1	,681
					Sundry debtors— Rent under section 4 (2). Swamp Land £	
					Rent under section 4 (2), Swamp Land Drainage Amendment Act, 1926	
					House rents 2	
					Law-costs 1,097	
					Miscellaneous	
						,337
					Maintenance-costs (Hikurangi)	434
					Premiums on conversion	51
					Revenue Account—Waihi Drainage Area: Central	3,914
						0,3135
						5,286
					Interest accrued but not due	10
					Cash in transit from Post Office	137
				£885,300	2882	5,300
				3000,000		
Nome The to Stat Mon	sk 1040	interest	on the rea	overable e	expenditure was charged against the Rate Accounts and interes	st on

Note.—Up to 31st March, 1940, interest on the recoverable expenditure was charged against the Rate Accounts and interest on the balance of the expenditure was capitalized, but, in terms of Treasury Instruction No. 81, Treasury agreed that thereafter interest on irrecoverable expenditure need not be brought into the accounts.

R. G. Macmorran, Under-Secretary for Lands.

G. I. Beeson, Chief Accountant.

I hereby certify that the Rate Accounts and Balance-sheet have been duly examined and compared with the relative books and documents submitted for audit, and correctly state the position as disclosed thereby subject to the departmental note enfaced thereon and to the explanatory notes dealing with Departmental Accounts generally as appearing at commencement of parliamentary return B.-1 [Pt. IV].—Cyril Collins, Controller and Auditor-General.

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