DEPARTMENT OF LANDS AND SURVEY. SETTLEMENT OF CROWN LANDS

(ANNUAL REPORT ON).

Presented to both Houses of the General Assembly by Command of His Excellency.

CONTENTS.

				-			
GENERAL REPORT :				Ŧ	AGE	Appendix II :	AGE
Review of Past Y					2	Land for Settlements-	AGE
- · · · ·					$\frac{1}{2}$	Summary of Settlements established	14
Destation of H				. i [.]			14
Protection of Hig	gn and ste	ep Count			0	Extracts from Reports of Commissioners of	
preservation			••	• •	2	Crown Lands—	
Land-developmen	nt	• •		• •	3	North Auekland	22
Small Farms		• •	• •	• •	5	Auckland	23
Special Settlemer	nt of Interi	or Lands	• •		- 6	Gisborne	23
Lands for Selecti	on		• •		6	Hawke's Bay	23
Receipts					7	Taranaki	$\bar{23}$
Postponements, 1						Wellington	23
	••				$\dot{7}$	Nelson	$\frac{10}{23}$
National Endowr					7		$\frac{23}{23}$
Educational End				••	7	THT (1 1	$\frac{23}{23}$
			••	••			
Lands reserved for		*	••	• •	7	Canterbury	24
$\mathbf{Expenditure}$	••	••	••	••	8	Otago	24
						Southland	24
						APPENDIX III: Land-drainage Operations APPENDIX IV: Extracts from Report on Small-farms Scheme by A. B. Jordan, Superintendent of Land Development, Te Kuiti	25 31
Appendix I :						APPENDIX V : Small-farms Scheme, Hawke's Bay	34
Settlement of Crown	ı Lands—						
North Auckland	••	••	••		9	Appendix VI :	
Auckland				••	9	Small-farms Scheme, Nelson	35
Gisborne		••			9		
Hawke's Bay		• •		• •	10	TABLES :	
Taranaki					10	Table 1.—Lands of the Dominion, Position of	
Wellington					11	(approximately)	36
Nelson					11	,, 2.—Selections during the Year	37
Marlborough					n	O ALL T J. L. L. L. T	37
Westland	••	••	••		$\frac{11}{12}$	4 Longa for actilument Longa	38
	• •	••	••	•••	$\frac{12}{12}$	" E Underwart Landa lagged and ad	90
Canterbury	••	••	••	••			20
Otago	••	••	••	••	12	ministered by Land Boards	38
Southland	••	••	••	••	13	,, 6.—Receipts, Arrears, and Postponements	39

Sir,—

Department of Lands and Survey, Wellington, 1st June, 1938.

I have the honour to submit herewith the annual report on the settlement of Crown lands for the year ended 31st March, 1938, together with particulars of the special settlement of inferior lands, of the development-work that is being carried out on unoccupied Crown and settlement lands, and of the operations under the Small-farms Scheme.

I have, &c., W. ROBERTSON, Under-Secretary.

The Hon. Frank Langstone, Minister of Lands.

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REPORT.

REVIEW OF PAST YEAR.

REPORTS from the various districts indicate that, generally speaking, the past year has been a satisfactory one for Crown settlers and other sections of the farming community both from the point of view of production and that of prices for primary products.

Although the summer was unusually warm there was in most districts a sufficiently well-balanced rainfall to ensure a good growth of pasture.

With the exception of the settlers in the far southern districts, where the spring and summer were unduly dry, those engaged in dairying experienced a good year.

Prices for fat lambs and all classes of farm stock were good; but wool returns showed a sharp decline on the high prices received during the previous year.

In the cropping areas the grain was harvested in good condition and satisfactory yields were obtained.

Land revenue showed an increase on last year's figures, while the rent outstanding, including postponements, has decreased.

An important feature of the work of the Department during the year has been the operations carried out in connection with the development of waste Crown land and the reconditioning of properties which have reverted to the Crown. Details of the various blocks under development, together with particulars as to the methods adopted and the progress made, are given farther on under separate headings.

During the year a considerable amount of work has been involved in connection with the investigation of applications made by Crown tenants under the Mortgagors and Lessees Rehabilitation Act, 1936. As a result of the adjustments which have been made in the cases so far dealt with, the tenants concerned should be materially assisted in carrying on successfully in future.

The action which the Department is taking in the direction of assisting in the preservation of the bush on high and steep country is dealt with under a separate heading in this report.

Selections of Crown and settlement lands on all tenures during the year totalled 232,225 acres. This subject is dealt with more fully farther on. At the 31st March the tenants on the books of the Department numbered 36,323, occupying a total area of approximately 18,269,000 acres. Pastoral runs account for 8,567,217 acres, while 1,801,084 acres of purchased estates are held under the provisions of the Land for Settlements Act.

LEGISLATION.

The Reserves and other Lands Disposal Act, 1937, contains twenty-eight sections dealing with Crown lands, reserves, &c.

PROTECTION OF HIGH AND STEEP COUNTRY AND BUSH-PRESERVATION GENERALLY.

In the last annual report mention was made of the attention being given to the matter of the necessity for bush-preservation and the protection of high and steep country generally. The Department, in co-operation with the State Forest Service, has continued to investigate this matter in an energetic manner, with the result that during the period under review areas of Crown land totalling 186,763 acres were handed over for proclamation as permanent State forest. The great bulk of this area was high country, on which the existing bush should be preserved in the interests of the conservation of stream flow and prevention of erosion. Approval was also given during the year to over 32,000 acres of provisional State forest reserves being set apart as permanent State forests, while areas totalling approximately 62,000 acres were constituted as permanent reserves under the Scenery Preservation Act, 1908.

Strong opposition was encountered on occasions to proposals to withdraw certain areas from possible settlement in the future, but the Department is convinced that the action taken was in the public interest.

Preliminary investigations have been made into the question of reserving further areas of high country, with the result that certain blocks have tentatively been selected for handing over to the State Forest Service for administration as protection forests. In this connection it is necessary to comment that, while it is the Department's policy to arrange for the reservation of blocks of Crown land which should not be opened for settlement, it has, apart from a few bush areas purchased for scenic reserves out of the very restricted funds made available for scenic purposes, been impossible to take any action with respect to high-country lands held under private ownership which should be acquired and administered by the State. The Department has no vote for the purchase of private lands for purely water-conservation and protection purposes, nor any legislative authority to acquire such lands. Under present circumstances it is therefore necessary to restrict operations to Crown lands. There is, however, ample scope so far as Crown-owned areas are concerned for a considerable amount of action in the way of the reservation of such areas, and it may be mentioned that in the case of any high country which has been leased and which may revert to the Crown full consideration will be given to the question of its reservation for protection purposes.

The matter of the control of high pastoral country now in occupation has also received a good deal of attention. Pastoral licenses granted under Part VI of the Land Act, 1924, entitle the holders to the exclusive right of pasturage over the lands concerned, but give no right to the soil or timber or minerals. The Act provides that every pastoral license shall contain a condition to the effect that 3

the licensee shall prevent the destruction or burning of timber or bush on the land comprised in his license, and it is also provided that no licensee shall burn any tussock on his run or permit any tussock to be burnt without the prior consent in writing of the Land Board. The administration of the law has, however, proved to be extremely difficult, and from special reports recently submitted it appears to be fairly evident that a great deal of indiscriminate burning has been going on, and that great damage is resulting from this illegal practice and also from overstocking. The whole matter is regarded very seriously, and arrangements have been made for the Department's Field Inspectors to devote much more attention than has been possible during the past few years to the general supervision of Crown leaseholds. The importance of observing and reporting breaches of the conditions of Crown leases and licenses has been particularly stressed, while pastoral licensees have been circularized drawing their attention to the statutory provisions relating to burning, &c., and the whole subject will continue to be given close attention.

LAND-DEVELOPMENT.

During the year development operations were undertaken on two additional blocks in the Hawke's Bay District—Kaheka Estate, 10,000 acres; and Parinui Settlement, 1,044 acres. Satisfactory progress has also been maintained on a number of other blocks which were under development at the date of the last annual report. The total net expenditure on development for the year was £24,430. Owing to the abolition of the Discharged Soldiers Settlement Account, it has been necessary for

Owing to the abolition of the Discharged Soldiers Settlement Account, it has been necessary for the Lands Development Board to take over as from 31st March last a number of Crown properties which were formerly farmed from Discharged Soldiers Settlement moneys.

The number of Crown tenants who have been assisted by way of loans to develop their own properties now totals 513, and the sum of £213,032 has been advanced to these tenants for improvements and stock.

Pursuant to section 10 of the Land Laws Amendment Act, 1929, the following summary of operations up to 31st March, 1938, is recorded :---

(a) The Several Areas of Unoccupied Crown Lands in Respect of which Development-works have been undertaken during the year.

Auckland Land District :---

Galatea Estate, of 22,326 acres, near Murupara: The greater part of the estate continues to be worked as a sheep and cattle station, and operations have resulted in a very satisfactory year despite the substantial drop in wool-prices. During the year three sections were taken up on permanent lease and two share farmers converted to renewable lease, making a total of nineteen permanent settlers who are making satisfactory progress. Share milking is being continued on seven farms. The stock carried by the share farms consists of 628 dairy cattle, 18 horses, and 238 pigs. The stock carried on Galatea Station as at 31st March, 1938, exclusive of that on share farms, comprised 15,957 sheep, 227 dairy cattle, 5,734 run cattle, and 4 horses.

Particulars of the developmental work being undertaken are given in Appendix III in the report of the Land Drainage Branch of the Department.

Hawke's Bay Land District :---

- Kaheka Estate comprises 10,000 acres and is portion of the Tutira Estate and the Totara-O-Te Rauhina Block, both of which areas reverted to the Crown on the expiry of the leases granted before purchase of the blocks. The stocking and development of this block has recently been commenced, and 8,840 sheep and 1,370 cattle have been placed on the area, while fencing operations have also been started. The area is at present being worked from Kakariki, and two full-time and about ten part-time men are employed on it.
- Kakariki Estate, a purchased estate of 19,288 acres at Kotemaori: This block is now in a more advanced state of development. A further 900 acres has been laid down in new pasture, and, of the 14,500 acres included in the current development scheme, 13,500 acres are now in pasture including 300 acres ploughed and grassed, 9,900 acres cleared and grassed, and 3,390 acres in old pasture. Fencing of a length of 3,735 chains has been either erected or repaired. The farming operations are resulting in satisfactory returns in spite of the wool proceeds being considerably reduced during the past year. The property is carrying 14,779 sheep and about 1,000 head of cattle. The wool clip for the current year yielded 230 bales.
- Parinui Settlement: This property, comprising 1,044 acres, was previously farmed from Discharged Soldiers Settlement moneys. During the past year the block has been cleared of scrub, burnt, and surface sown with subterranean clover. An extensive fencing programme to control the pasture and fern is being undertaken. The section at present is carrying 1,400 sheep and 90 head of cattle.

Tapuwae Estate, of 3,350 acres, a purchased estate in the King-country: Considerable progress has been made with the development of this block, and, with the establishment of a labour camp in the near future, operations should be considerably hastened. The chief obstacle to overcome has been bush sickness, but now that this has been successfully treated the ultimate success of operations appears to be assured. Fair progress has been made during the past twelve months, and the estate is now independent of outside sources for its supply of winter feed. Drains have been extended and deepened, with the result that an area of 150 acres of swamp previously regarded as useless will, it is hoped, be successfully developed. Live-stock consists of 6,800 sheep and 982 cattle.

Taranaki Land District :---

Canterbury Land District :---

Ashton Block, of 703 acres, is situated in Ashburton County: The initial purpose of the block was to test irrigation methods on the light lands of the block, and this work exercised the attention of Lincoln College, which controlled the experiments. The Department assumed full control of the block in 1934, and the development of the property as a whole was commenced. New pastures have been established, gorse grubbed, fences put in order, and generally steady progress has been maintained in the improvement of the area. There are at present 1,700 sheep on the property.

(b) Total Cost of	` Development-works	$carried \ out$	to 31st	March,	1938.

:	Block.			Expenditure on Development to 31st March, 1937.	Expenditure on Development during Year ended 31st March, 1938.	Total Expen- diture on Development to 31st March, 1938.
	Not	атн Арсі	KLAND	LAND DISTRIC	г.	
				£	L £	£
Wharekohe Block	••	••	••	13,151*	•••	10,763
		Aucklan	nd Lan	d District.		
Arohena Block				207	1 [207
Galatea Estate				99,096	21,682	120,778
Koromatua Block				4,466		4,466
Mangatutu Block				3,717		3,717
Ngakuru Block			[84,723	102	84,825
Onepu Block†				20,120		20,120
Te Kauwhata Block	••	••	•••	32,176	•••	32,176
	Η	AWKE'S	BAY LA	and District.		
Kaheka Estate					134	134
Kakariki Estate				42,851	1,101	43,952
Parinui Settlement				••	590	590
		TARANAI	KI LAN	d District.		
Tapuwae Estate	••		••	13,882	214	14,096
	C	ANTERBU	IRY LA	ND DISTRICT.		
Ashton Block				2,046	607	2,653
				316,435	24,430	338,477

* Wharekohe Block expenditure for water-supply as at 31st March, 1937, charged to settlers current accounts. † Part of Onepu Block taken over by Small-farms Board.

In addition to the expenditure on blocks set out above, expenditure has been incurred on roading, survey, &c., of various areas which are being developed by the settlers themselves, bringing the total expenditure for development, stock, roading, and surveys (apart from roading-costs payable out of Public Works Fund) up to the 31st March, 1938, to £364,548, and providing for 580 farms, exclusive of a number of blocks which have not yet been subdivided.

(c)	and	(d)	Developed	Allotments	disposed	of.
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	Block.			Number of Allotments disposed of.	Area.	Tenure.	Rental Capital Value.	Annua or Int receiv	eres	t
					Acres.		£	£	s.	d.
Galatea (part)		••		19	2,271	R.L.	17,045	852	5	0
Koromatua				4	538	R.L.	2,900	145	0	- 0
Mangatutu				5	771	$\mathbf{R}.\mathbf{L}.$	4,680	234	0	- 0
Ngakuru		••		41	8,037	R.L.	56,289	2,814	9	- 0
Onepu*				12	1,237	R.L.	11,395	569	15	- 0
Te Kauwhata				12	1,735	$\begin{cases} R.L. \\ D.P. \end{cases}$	$8,325 \\ 6,165$	$\begin{array}{c c} 416\\ 369\end{array}$	$\frac{5}{1}$	$0\\6$
Wharekohe	••		••	15	1,879	R.L.	7,730	231	8	0
				108	16,468		114,529	5,632	3	6

* In addition, twelve sections selected under small-farms scheme.

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(e) The Total Amount advanced to Crown Tenants for the Development of their Holdings, the Number of Advances, and the Purposes for which such Advances have been made.

· · · · · · · · · · · · · · · · · · ·	,		, , , , , , , , , , , , , , , , , , ,					
Number of		sisted	••	••		••	••	$513 \\ { m \pounds}$
Loans appr	ovea							L
Improv	ements		••	••	••	••	• •	247,209
Stock	••	••	••	••	••	••	••	17,725
	Total	•••			••	••		£264,934
Amounts ac	tually adv	anced-						£
_	ements	••						202,595
\mathbf{Stock}			••	••	• •	••	••	10,437
	Total	•••	••			••		£213,032

SMALL-FARMS SCHEME.

During the year ended 31st March, 1938, marked progress has been made by the Small-farms Board in its activities. Further areas have been brought under development, and much has been done to stabilize the position of the tenants already established by the Board.

The Board is now definitely concentrating on the development and reconditioning of areas of Crown land or reverted Crown leaseholds. The operations are carried out under strict supervision, and the work is done by unemployed men working on a wage basis of £4 per week. Although the development operations are going on in most districts, the major schemes are in the North Island, and are supervised by the Superintendents of Land-development at Te Kuiti and Auckland.

In August, 1937, Cabinet approved of the employment of an additional 400 men on the reconditioning of reverted Crown leaseholds and securities, and the following areas were taken over by the Small-farms Board to give employment to these men :--

(1)	Under	Superintendent,	Te	Kuiti.
-----	-------	-----------------	----	--------

								Acres.
Te Tahi 🛛		••	••	••	••	••		429
Te Rau-a-Moa	••	••	• •	••		••		380
Late E. J. Smi	th's prope	erty	••	• •	••	••	••	165
Arohena	••	••		••	••	••		1,407
Late Cooper Br	cos.' prope	erty			• •			105
Stanley's	••	•••					• •	177
Merrin's	••	• •				• •	••	200
Clifton's		• •	••		••		• •	612
Robertson's				••	••	••		158
Patoto		••	••	••	••		• •	720
Brickland's			••	• •			• •	156
Northcott's	••		••		• •	••	••	514
O'Sullivan's		• •	••	••	• •	••		560
Brough's	••			••				1,053
West's		• •		••	• •			657
Olsen's			••	••				184
Nicol's	••						• •	163
Jensen's	••	• •	••	• •	••	••	• •	773
Crawford's	••	••			• •			200
Waihuka	••		••	••	••			2,805

(2) Under Superintendent, Auckland.

									Acres.
Tarawera	No. 2	• •						• •	909
Orini		••					•	• •	170
Whirinak	i			• •	• •	• •	• •	• •	1,200
Tokoroa				• ·	• •	• •			5,000
Kerepeeh			• •	• •		• •	• •		2,300
Wharere	Extension	n							1,610
Pouarua					••				11,000

The separate reports of the Land-development Superintendents which are published herein will show how the carrying-capacity and production figures on the various blocks under their control have improved during the year. During the year the Board completed its operations, fixed charges, and handed over to the

individual tenants on the following blocks :-

North Auckland District.

Wilson's. Bassett's. Taipuha.

Church Mission.

Auckland Land District.

Tarawera No. 1.

Wainui South.

In all cases the charges were fixed on a valuation made by a special committee appointed by the Board for the purpose.

The following table shows the results under the scheme to the 31st March, 1938 :--

Operations under Original (10-Acre) Scheme.

Holdings established	• •		 		488
Number of such holdings since closed			 		186
Share milker's cottage loans approved	• •	••	 		265
Share milker's cottage loans repaid	••	••	 • •	••	25

Operations since Small-farms Board constituted.

	Number.	Area (Acres).
Individual holdings established	 394	27,841
Sections included in blocks being developed	 565	51,538
Areas being developed, but not sectionized	 	39,107
Share milker's cottage loans approved	 66	

Stock carried.

					1935.	1938.
Sheep		••	••	 	 5,578	57,615
Dairy cows	••	••		 	 1,585	5,322
Run [°] cattle	••			 	 1,289	4,469
Horses				 	 124	359
Pigs			••	 	 520	2,520

Further details in regard to operations under the Small-farms Scheme are given in Appendices III, IV, V, and VI.

Special Settlement of Inferior Lands.

The following summary of the lands dealt with during the year is furnished in accordance with the provisions of section 223 (14) of the Land Act, 1924 :=

(a) Aggregate area of land set apart: Nil.

(b) Number of allotments and aggregate area disposed of : Nil.

The total number of allotments taken up and the area held as at 31st March, 1938, was thirtyeight allotments, 7,256 acres.

LANDS FOR SELECTION.

During the year, 232,225 acres were taken up on various tenures, the number of selections being 1,072 under all headings. These figures include some 534 sections, comprising altogether an area of 67,389 acres, taken up under miscellaneous leases and licenses, so that the selections on permanent tenures numbered 538 sections, covering a total area of 164,836 acres. The following table gives the selections of Crown lands for the last five years :--

Selections under all Tenures.

Year ending			Number.	Area (Acres).
31st March, 1934	 	 	1,118	285,166
31st March, 1935	 	 	1,036	302,915
31st March, 1936	 	 	1,037	210,026
31st March, 1937	 	 	1,342	463,178
31st March, 1938	 	 	1,072	232,225

The total of 232,225 acres selected during the year includes lands taken up under both permanent and temporary tenures, and also town and suburban lands. The permanent selections of rural lands only were as follows:—

Class of Land.	Class of Land.							
Crown and national-endowment land Settlement land Education reserves, &c	 		$196\\31\\42$	Acres. 136,995 4,358 7,592				
Grand totals			269	148,945				

The lands dealt with above comprise both areas offered for the first time and areas which became available for reoffering through various reasons. The figures for entirely new rural areas selected during the year are as follows :—

Class of Land.	Number of New Rural Sections selected.	ral Total Area selected for the First Time		
Crown and national-endowment land Settlement land	••• ••	•••		$\begin{array}{c} \text{Acres.}\\ 8,472\\ 136\\ 641 \end{array}$
Grand totals			95	9,249

Receipts.

The receipts for the year from all sources totalled $\pounds 1,577,230$, an increase of $\pounds 174,634$ on last year's figures.

The receipts for the last five years have been as follows: Year ending 31st March, 1934, £1,020,198: 1935, £1,259,790; 1936, £1,276,510; 1937, £1,402,596; 1938, £1,577,230.

POSTPONEMENTS, REMISSIONS, AND ARREARS OF RENT.

Rents the payment of which remained postponed at the 31st March amounted to $\pounds42,908$. Arrears of rent at the 31st March (including arrears in respect of the current half-yearly charge) totalled $\pounds972,968$, while remissions for the year totalled $\pounds105,935$.

Rebates.

For prompt payment of rent 16,055 Crown tenants were granted the usual rebates in terms of section 123 of the Land Act, 1924, and section 59 of the Land for Settlements Act, 1925. These rebates amounted to a total of \pounds 42,539.

NATIONAL ENDOWMENT.

Of the area in the national endowment, 6,328,362 acres were held under lease or license at the 31st March by 4,272 tenants paying an annual rental of £135,619, while a very large area (partly, however, covered by existing leases) had been set aside as provisional State forests. For further particulars *re* the national endowment see parliamentary paper C.-14.

EDUCATIONAL ENDOWMENTS.

An area of approximately 797,179 acres of education endowments under the administration of the various Land Boards is leased to some 4,170 tenants, who pay a total annual rental of £126,121.

LAND RESERVED FOR VARIOUS PURPOSES.

Under the provisions of section 360 of the Land Act, 1924, and section 71 of the Land for Settlements Act, 1925, various areas of Crown and settlement land were permanently reserved during the year. The reservations made totalled fifty-four, covering an area of approximately 1,209 acres. A summary of work carried out under the heading is given below :---

	Purpose	of Reserve.			umber of servations.		Area. R. P.
Aerodrome					 6	227	$3 \ 8$
Cemetery					 2	2	0 18
Gravel					 4	6	$1 \ 11 \cdot 4$
Hall-site					 1	0	0 20
Municipal	• •				 4	59	3 8.57
Plantation					 2	20	$1 \ 25$
Public Buildings	of the Ge	eneral Go	vernmer	nt	 5	3	$0 \ 34 \cdot 32$
Public health an					 1	67	1 20
Public-pound sit	е				 1	5	0 37
$\operatorname{Recreation}$					 14	277	$0 \ 30.44$
Resting-place for	r travellin	g stock			 2	6	$2 \ 14.01$
River-conservati					 1	6	$3 \ 0$
Roadman's cotta	age site				 1	7	$3 \ 22$
School site	·				 8	20	$1 \ 33 \cdot 1$
Water-conservat	ion				 1	292	$3 \ 2$
Water-supply		• •	•••		 1	205	0 0
					$\overline{54}$	1,209	0 2.74

The above does not include areas that have been vested in the Crown as public reserves in town subdivisions pursuant to the provisions of section 16 of the Land Act, 1924.

Expenditure.

Summary of Expenditure approved during the Year ended 31st March, 1938.

Name of Vote or Account.	Net Amount voted.	Gross Expenditure.	Recoveries.	Net Expenditure.
Voted Expenditure.				
Vote, Lands and Survey-	£	£	£	£
Subdivision I	234,872	302,761	69,644	233,117
Subdivision II	152,915	144,107		144,107
Subdivision III	14,490	7,749		7,749
Total, Vote, Lands and Survey	402,277	454,617	69,644	384,973
Vote, Land for Settlements	465,000	266,606	86	266,520
Discharged Soldiers Settlement Account : Vote, Expenses of	25,000	24,730		230,020 24,730
Management				
Vote, Swamp Land Drainage	500	911	0.97	<i>a</i> 24
Hauraki Plains District	790		935	Cr. 24
Swamp Land Drainage Districts	22,210	29,292	9,866	19,426
Vote, Settlement of Unemployed Workers	302,500	460,265	149,600	310,665
Total voted expenditure	1,217,777	1,236,421	230, 131	1,006,290
Other Expenditure.		1		
Land for Settlements Account—				
Expenditure from capital proceeds of sales of Crown an endowment lands	d national-	154,490	••	154,490
Interest and other charges		35,065		35,065
Discharged Soldiers Settlement Account		18,979		18,979
Expenditure under special Acts of the Legislature—Section 29		6,670		6,670
Act, 1924 : Administration expenses of national-endowment l	ands	0,010		0,010
Expenditure approved by the Hon. the Minister of Fina Unauthorized Expenditure Account	nce against	318	68	250
Refunds of revenue-Deposits Account expenditure and m	iscellaneous	35,327	••	35,327
expenditure Total departmental expenditure		1,487,270	230,199	1,257,071

APPENDICES.

APPENDIX I.-SETTLEMENT OF CROWN LANDS.

EXTRACTS FROM REPORTS OF COMMISSIONERS OF CROWN LANDS.

NORTH AUCKLAND.

(W. D. ARMIT, Commissioner of Crown Lands.)

The past year has been a fairly good production period for North Auckland, and, as the district depends largely on dairy products, the state of the dairying industry gives a close measure of the North Auckland farmer's income.

The absence of severe flooding of low-lying grassland has been a welcome change from the experiences of the three previous years, and has enabled a good production yield to be attained on these areas. A prolonged winter period and late spring was experienced, followed by semi-drought conditions during the summer months, relieved, however, by good rainfall before any serious damage to pasture occurred. In the central portion of the district regular rainfall occurred throughout the year.

The butterfat-price obtained under the State-guaranteed plan has enabled tenants to pay their way and provide for farm-maintenance. Pig-production has improved, and good prices have been experienced during the year.

Dairy stock of all classes have sold at very fair prices, and fat and store cattle have also sold well. Grown cattle are really in short supply in the northern part of the land district.

The grazier Crown tenant received a much lower return for wool compared with the previous year. Sheep were not in as good demand, and values of aged sheep and store lambs receded. Fat lambs have been eagerly sought after and good prices obtained. No large blocks of Crown land have been opened during the year, the selections totalling 7,325

No large blocks of Crown land have been opened during the year, the selections totalling 7,325 acres of land which had already been previously opened for selection or which had been reoffered. Revenue increased 20 per cent. over the previous year.

Fruit and poultry farmers are not in a much improved position compared with the previous year. Individual ability, combined with prices received for products, has a particular application to success in this class of farming.

The Land-development Board has continued its policy of assisting individual tenants with finance for further development, and it is evident that progress in development of remaining Crown lands will largely be dependent on a continuation of this method of assistance.

A total of 506 applications under the Mortgagors and Lessees Rehabilitation Act, 1936, have been notified, and approximately 320 have been disposed of to date. A large number of voluntary settlements have been effected in terms of the Act.

AUCKLAND.

(K. M. GRAHAM, Commissioner of Crown Lands.)

Conditions during the past year have been favourable to all classes of farming in this district. A hot summer was experienced, but the rainfall was well spread over the season, and the growth of pastures continued and production increased.

The circumstances of tenants generally remain sound and the annual charges have been well met.

New selections during the year comprise fifty-one holdings, of a total area of 12,381 acres.

Investigations under the Mortgagors and Lessees Rehabilitation Act have taken up a considerable amount of time of the field staff. Applications for relief involving 518 Crown tenants have been investigated, and, of these, 270 have been dealt with by the Adjustment Commissions.

It has been found that rent had been fixed on a fair and equitable basis, and, although remissions of arrears, which in most cases were an aftermath of the depression, have been granted, the rentals have been more or less sustained.

Steady progress has been made in developing the waste lands of the Crown. Loans to selectors of undeveloped Crown lands were authorized to the extent of £28,647.

GISBORNE.

(H. L. PRIMROSE, Commissioner of Crown Lands.)

The year under review has been a trying one for almost all classes of farmers, as weather conditions have been variable throughout the season. Although the spring was late, the growth was quite good, but there followed an exceptionally long spell of dry, hot weather lasting until about the end of February, when many parts of the district suffered as a result of flooding, resulting in many cases in serious loss to farmers—in damage to fences, losses of stock, and the silting-over of pastures.

Although there was a considerable drop in the price of wool as compared with the previous year, the average price is regarded as satisfactory, and the drop has been somewhat offset by the big improvement on last year's sheep-prices. The wool-clips have varied through the district, but on an

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average are on a par with the previous season, whilst the lambing percentages would be on about an average.

Facial eczema has been very prevalent on the lower areas, but on the higher altitudes the position is not so serious. The position is being closely watched by the Department of Agriculture, who are always willing to co-operate with settlers in combating this danger. Whilst the Waikato market has drawn a good number of surplus sheep from this district again this year, the exodus has not been so marked as in previous years.

It is pleasing to note that the cattle-market has commanded higher prices. The chilled-beef trade is rapidly becoming popular, and improved facilities for transport will be of great benefit to the trade.

As predicted last year, the increased use of top-dressing manures has shown the wisdom of such a farming practice, and I am sure that settlers have realized that the policy of applying top-dressing manures is a very payable proposition.

In regard to the dairying industry, there has been a smaller production, mainly on account of the poor season from beginning to end. The spring was late, and the delayed flush did not develop, due to the hot, dry summer, whilst the floods of February and March have hastened the drying-off of herds.

It is recognized that the raising of pigs as a dairy-farming sideline plays a big factor in building up revenue, and I would appeal to all dairy-farmers to pay more attention to this practice, and to see that their pigs are given better housing-accommodation.

During the year the large volume of work involved in dealing with applications under the Mortgagors and Lessees Rehabilitation Act, 1936, necessitated the setting-up of three committees to inspect and report on all such applications.

HAWKE'S BAY.

(F. R. BURNLEY, Commissioner of Crown Lands.)

The season ending 30th June, 1937, was the best the farmers in this district have had for many years. The present one, however, will not be so favourable. Owing to the dry autumn and winter, the wool-clip is much lighter, the lambing percentage is less, and the lambs also are lighter than usual. Late rains have been very beneficial, and at present there is an abundance of feed. Stock-prices are being maintained.

The heavy rains, however, have not been beneficial to orchardists, and they have also been in difficulties with frosts. The remaining crop is a good one. A considerable number of Crown tenants applied for relief under the Mortgagors and Lessees Rehabilitation Act, 1936, and about two-thirds of the applications have now been disposed of. The rents in many cases have been reduced, and arrears of rent remitted. The relief that has been thus granted should enable these settlers to meet their obligations in future.

Heavy floods in February did considerable damage to roads through the northern portion of the district. Land revenue for the year exceeded that for the previous year by $\pounds 23,000$.

TARANAKI.

(A. F. WATERS, Commissioner of Crown Lands.)

The year commenced with a favourable autumn, feed being plentiful and stock entered the winter in excellent condition. The spring was unusually dry, and the year was noted for its spells of dry weather, the total rainfall being below the average. The summer was much hotter than usual, but the rainfall for three summer months was 50 per cent. higher than the three winter months and there was an abundance of grass in most districts right through to the autumn. Production of butterfat was about the same as in the previous year, and the average dairy-farmer should be in a position to pay his way.

An unfortunate feature of the season was the drop in the price of wool, which has naturally affected the sheep-farmer, but, as this drop was not followed by a corresponding fall in the price of sheep, the position is not so disastrous as in former years. The wool generally was light in condition, but not so seedy as in former years. The lambing percentage was excellent, the average for the whole district being 96 per cent. The fat-lamb trade was up to the usual high standard, and the normal number of fats was sent to the works. The beef- and store-cattle trade was good, and springing heifers were eagerly sought after. Prices for all classes of cattle have been remarkably good. Pigraising is receiving more attention, in the shape of better housing-conditions, and revenue from this source is increasing, and an improvement in both numbers and quality is reported.

Hay and ensilage crops were lighter than usual, and there is a tendency to go out of root crops, owing probably to the ravages of the white butterfly and diamond-back moth. Farmers seem very much alive now to the need of adequate manures, and the amount of top-dressing applied was above that of the previous season.

In parts of the district the ragwort position is now much better, but in the north it is as bad as ever. That it can be controlled has been proved, and many dairy-farmers can still milk cows and run sufficient sheep to keep the pest in check. Gorse and blackberry are fairly well controlled.

A feature of the year's work has been that of inspecting, valuing, and furnishing reports on farms concerned in applications under the Mortgagors and Lessees Rehabilitation Act. The total number of applications in which the Department is directly concerned in this district was 401, and reports on these have been almost completed, only a few remaining.

The revenue for the year exceeded that of the previous year by over £2,000.

WELLINGTON.

(H. W. C. MACKINTOSH, Commissioner of Crown Lands.)

On the whole, the year has been a favourable one for Crown tenants. Although there have been hot, dry spells, there have been breaks of two or three days of wet weather that in great measure saved pastures from drying up. In some parts of the district, however, notably in the northern Manawatu, the hot, dry weather was somewhat prolonged and had the effect of curtailing butterfat production and militated against the best results from cereal crops. Generally speaking, the winter was not too severe, and the majority of stock came through to spring in fair condition.

Most settlers now see the value of top-dressing their pastures, and more and more manure is being put on, with beneficial results.

With the guaranteed price for butterfat, dairy-farmers know where they stand, and can make up their budgets of income and expenditure with a degree of accuracy.

Wool-prices showed a decided drop, and this will no doubt be reflected in the working of pastoral areas.

Prices for stock have been maintained generally, but there has been a drop in the prices for breeding-ewes and store sheep in the last month or two.

It is pleasing to note that more tenants are giving attention to painting their homesteads, and also bringing their fences into a more efficient condition.

In addition to noxious weeds, the farmer has now two further pests to contend with ; the white butterfly, and its more substantial co-destroyer the wild pig. The white-butterfly ravages in some parts have rendered crops of turnips, chou moellier, &c., practically useless for winter feed.

The wild pigs operate in the back country of the northern portion of the district, and are most destructive of young lambs. The settlers affected do their best to cope with the pigs by shooting, but there is so much cover that it is difficult to get at them.

In the Tangimoana Plantation, near the mouth of the Rangitikei River, the *pinus insignis* trees planted over an area of about 800 acres are doing well. The work of lopping the lower branches and the thinning of the trees is still proceeding. The fire risk due to the dry summer has been great, but fortunately no fires damaged the growing trees.

There has been a steady inquiry for land during the year, and any areas that would show a prompt return were readily selected.

NELSON.

(P. R. WILKINSON, Commissioner of Crown Lands.)

The 1937-38 season has been an exceptional one for all classes of farming. The winter was mild, and all stock came through in good condition.

Owing to the two months' very dry weather in the spring the hay crops were light, but farmers with stands of lucerne harvested some heavy crops. The growing of this fodder has increased considerably during the last few years.

Through favourable weather conditions the grain crops were harvested in splendid order, some wheat crops on areas of 40 acres and 50 acres averaged from 50 bushels to 53 bushels per acre.

Wool-prices were fairly good, although lower than last year.

All classes of stock are looking well, and good prices maintain for stores and fats.

MARLBOROUGH.

(G. I. MARTIN, Commissioner of Crown Lands.)

The season in Marlborough showed every indication during the spring and early summer of reverting to the drought conditions which obtained here a few years ago, but continued rains throughout February brought much needed relief, and, generally speaking, stock should now go into the winter in very fair condition. The drop in wool, following the promising outlook after last season's sales, was somewhat disconcerting, particularly to those who were endeavouring to make up leeway lost during the slump years by applying the surpluses gained during the previous year to the betterment of their properties.

Those engaged in agricultural farming have experienced a mixture of good and bad. Heavy yields have been experienced with wheat and barley on the better land, but peas and other crops which were sown in the spring have generally been low in yield.

Some very fair yields of clover should be obtained, but the area cut for this crop is likely to be less than last season owing to farmers having to avail themselves of their clover paddocks to feed their stock during the dry early summer.

To the dairy-farmer the February rains were more than welcome, as the danger of facing the winter with a shortage of feed was obviated.

Butterfat production during the season has shown a slight decrease on last season.

Returns from orchard properties will be down on last year, but still somewhat better than the average over the last ten years.

WESTLAND.

(B. KING, Commissioner of Crown Lands.)

The farming community in this district has had the benefit of a fairly successful season.

The climatic conditions, on which so much of their success or failure depends, have throughout been favourable, the rainfall, thoug hheavy during short periods, has been more uniformly spread than usual, and sunshine as a consequence has been slightly below the average. Temperatures have been uniformly of a high level, and as a result an abundance of feed has been produced, enabling plentiful provision to be made for the coming winter.

It is generally admitted that lambs have not reached the uniformly high grade this year that has pertained in former seasons, and the reason for this is somewhat difficult to determine. Production of butterfat has decreased slightly, but the increased prices have more than met the shrinkage in revenue brought about by this factor.

Fat cattle have reached good prices during the year, and this has led to increased interest being shown in this branch of farming.

The effects of river-erosion of some of the best grazing lands is a problem of great importance, and it is apparent that the removal of bush and vegetation cover from the higher lands surrounding the fertile valleys must be very strictly controlled in the interests of posterity. In this connection it is urged that a much greater amount of energy be shown in the destruction of deer and goats, which are having the effect of destroying the smaller vegetation on the alpine lands, thus encouraging much more rapid run-off of water and consequent damage to the river valleys.

An increased interest is being displayed in land-settlement this year, as is evidenced by the larger number of applications for land dealt with by the Land Board.

CANTERBURY.

(N. C. KENSINGTON, Commissioner of Crown Lands.)

The past year has been a difficult one for settlers, on account of the varied weather conditions experienced. Although the winter was somewhat severe in the back country, with some heavy snowstorms, no great losses resulted, and sheep came through the winter well. The spring months of October and November were exceptionally dry, and feed received a severe check, crops suffering severely. Fortunately good rains early in December saved the situation, and grain and other crops recovered well, the subsequent threshing showing good returns. There has been considerable mortality amongst lambs, and difficulty has been experienced in fattening.

During short, dry spells the white butterfly and diamond-back moth attacked the turnip and rape crops, and these crops are not up to the average.

Those engaged in dairying have had a good season as regards returns of butterfat, and with the guaranteed price their position has been more stable.

The pastoralist and those largely dependent on wool have not received a good return, owing to the fall in prices, and the general position of the high-country man is becoming more difficult. The prices for fat lambs remained firm, and, as regards surplus stock, ewes brought good prices.

Irrigation-works are being pushed ahead in the South Canterbury district, and in places where the schemes are operating the results have been most encouraging.

A large number of small-grazing-run and pastoral-run leases have expired during the year, and renewals have been effected at satisfactory rentals.

The year generally has been a very busy one so far as the officers of this Department are concerned, and the generous relief being granted to many settlers under the Mortgagors and Lessees Rehabilitation Act should enable them to meet their obligations in the future provided their farming methods are in the right direction.

OTAGO.

(F. H. WATERS, Commissioner of Crown Lands.)

Following a wet summer, when the district received heavier and more frequent rains than usual, the 1937 autumn was comparatively mild, with the result that feed both natural and supplementary was ample for all requirements and stock came through the winter in good condition. The winter was not severe, there being no heavy falls of snow, and the weather generally being fine.

A serious setback occurred in the spring, when the whole district suffered from absence of rain. The North Otago district was exceptionally dry until December, when good rains came, but these were too late to save many of the cereal crops, which had to be eaten off to save stock. With frequent showers throughout the summer and autumn the district experienced a remarkable recovery, with the result that there was more feed than sufficient for usual requirements, and large numbers of stock were brought in from the southern districts.

Contrary to the weather experienced in the northern part of the district, South Otago suffered from a drought throughout the summer and well into the fall. As a result, grass pastures on undulating land were burnt up, forcing many farmers to look for outside grazing. The cereal crops were light, and the turnip crops in many places practically a failure. If a hard winter follows, difficulty will be experienced in wintering stock.

Central Otago has also experienced an abnormally dry season which has tested the numerous irrigation schemes to the limit, and water from these schemes when available has proved a boon to settlers. On the drier parts the yield from wheat, oats, and barley crops has been below normal but

the quality of the grain has been high. The wool-clip has not been as heavy as usual, and the fat lambs have been lighter. The fruitgrowers have experienced a frost-free season, with heavy crops and better prices, so their returns should be satisfactory.

The prices of stock have been well maintained. The wool-prices, although definitely down on last season's, are still well above the average for the last ten years. Some settlers engaged in dairying realize the desirability of improving the quality of their herds and have recently purchased good sires.

The white butterfly has now spread to this district, and is likely to become a menace unless controlled. Rabbits are under control in the greater part of the district : but in the bush district of South Otago and on some of the Central Otago runs there are indications that they are on the increase. On some of the high country, settlers have engaged in indiscriminate firing, and in places where rabbits are numerous the results will be disastrous to the native pasture. Pastoralists have now been circularized from this office that they must on no account burn without the consent of the Land Board.

Taken in all, the season must be regarded as a fair one, and this is reflected in an increase in rent receipts for the year.

SOUTHLAND.

(T. CAGNEY, Commissioner of Crown Lands.)

In striking comparison with the previous year, this district experienced one of the most dry seasons recorded here, commencing early in the spring and gradually developing into drought conditions which remained practically unbroken at the end of the period. The effect on the western and coastal areas was relieved to some extent by light rains at intervals, but the eastern inland area was less fortunate in this respect and is feeling the worst effects of the drought.

Notwithstanding, however, the dryness of the season, lambs fattened and hardened remarkably well, and early clearances were effected. Wool, likewise, was generally offered in excellent order. The season, however, was not favourable to dairy-farmers, and the lighter-class dairying-land began to show the effects of the dry weather earlier in the season. Heavier lands, however, stood the test fairly well, and a number of individual dairy-farmers report a good year. No doubt proper soil-tillage and good pasture-management have fully proved their value under drought conditions.

White crops yielded well and ripened early. The samples of oats and barley offered were excellent. Seeds such as fescue, rye-grass, brown-top, &c., also hardened well, and the sample offering was good. The output, however, was much below the average, due to the seasonal conditions.

Green crops showed up well early in the season, but towards midsummer began to show the effects of the weather, particularly swede turnips, which appear more susceptible to the attack of parasites than the softer class of turnip. The weather favoured the increase of the diamond-back moth, which was responsible for the main damage to turnips, assisted by blight and club-root. The white butterfly, hitherto hardly known in Southland, made its first appearance in parts of the district this year. Only a limited amount of hay was saved during the season, due to the output being retarded by the dry weather.

High-country sheep-graziers generally experienced a satisfactory year, and no serious snow losses of stock have been reported. Pastures, however, are badly burned up, and, in common with other classes of farmers, the outlook for the winter is not hopeful. The worst aspect of the drought is its anticipated effect on stock through the coming winter, and early rain with a mild winter would do much to alleviate the position.

During the year the occurrence of fires on pastoral runs has caused this office much concern. In some cases good pasture was destroyed and fires spread into virgin bush. As most of these fires occurred well on in the year, it is unlikely that damaged pastures will recover to any extent. Runholders were circularized on the matter during the year. It is evident that some of these fires were due to trespassers on the runs in search of game. Active steps are being taken by the Department in an effort to cope with the menace, and the good will and co-operation of runholders is important in this direction.

APPENDIX II.-LAND FOR SETTLEMENTS.

Summary of the Settlements established upon Estates acquired and dealt with under the Provisions of the Land for Settlements Act up to the 31st March, 1938.

Name of	Estate.		Lease- holds.	Free- holds.	Principal Purpose for wh	ich Holdir	ngs are utili	zed.	Remarks as to Presen Position.
									· · · · · · · · · · · · · · · · · · ·
North A Aponga	искіапа 	•	9		Dairying and grazing				Very fair.
, r - O	· · ·		6	1	Dairying and grazing			 	Good.
Bickerstaffe			38	11	Grazing			• • • •	,,
	••		1		Dairying Grazing Dairying			•••	,,
			1		Grazing Houses		••		,,
arroll			16	10					Very fair.
radock				14	Homes and orchards				,,
readon		••	4		Run-off				,,
		• •	13	16	Homes and grazing				Fair.
	••	• •	1		Grazing	•••	••	• •	
	••	• •	2	87	Homes and orchards		• •	• •	Very good.
	••	••	1	12		••	• •	• •	Good.
	• •	• •	14		Dairying and grazing	••	••	• •	, Very fair.
	••	••	1 1	29	Grazing Homes and orchards	••	• •	• •	
_	• • • •	• •	1	29	Dairying and grazing	•••	• •	• •	Good. Very fair.
		••	3				• •	 	Fair.
			2		Dairying ,,		••		Very fair.
			$1\tilde{5}$	i	,,				Good.
			19		Dairying and grazing	••		•••	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			3	17			•••	••	
-			4	17	Homes Grazing Dairying		• •		Fair.
					Grazing		• •	• •	Good.
			н		Dairying				,,
			31	1	,,				,,
treamlands			12	1	,,				,,
'angowahine	•		19	1	Dairying and grazing				Poor.
auraroa		• •	2		Dairying				Fair.
	••		5	1	,,	••	••	• •	Good.
		• •	4		,,	• •	· •	••	Fair.
	• •		5		,,	••	••	• •	Good.
	••	••	25	41	Homes and orchards	••	••	· •	,,
	• •	• •	16	· · ·	Dairying	••	••	• •	Very fair.
	••	••	9	2	,,	••	••	• •	Good.
Vhakata	•••	••	6	••	,,	• •	• •	• •	Very fair.
Tota	als		300	263					
Auck	land				-				
			7	1	Dairying				Good.
Balachraggar			14	12	,,,				Very good.
Bushmere			2		,,				Satisfactory.
		• •	8	1	1				Good.
			1		"				,,
			6	41	Dairying and mixed far.	ming			Very good.
alatea			18	·	Dairying				Good.
orton			10		Dairying and mixed far	ming			Very good.
lannon			2			0	••	• •	Good.
lereford Par	'k		2		Dairying	••		• •	Unsatisfactory.
	• •		20	1	Dairying and mixed far	ming	·	• •	Good.
	••	••	6	•••	>>		• •	· ·	,,
lorahora	••	• •	5	5	, ,,				"
1	••	••	4		6 n		• •	• •	x7, ,,
1.	••	••	5	14	,,		••	••	Very good.
	• •	• •	3	1	,,		• •	••	Fair.
opuku (2)		• •	3	$\frac{2}{1}$,,		· •	• •	V"
langaotama		• •	$\frac{3}{6}$				• •	••	Very good.
	<i>.</i> .	• •		16	,,		• •	••	,,
angapouri angateparu		• •	${50}$	10	22		· •	••	"
angateparu angawhero		• •	$\frac{50}{7}$	21	,,		•••		"
		••	51	282	"			•••	**
		••	10	1	27		••		,,
			3	1	Dairying "		••		Satisfactory.
atuku	· •		3		",", ",				
atuku organ			3	1	,,				Very good.
atuku organ elsou	 i			i	,,				Satisfactory.
latuku lorgan elson gahinepouri	i	••	2						
latuku lorgan elsou gahinepour orwegians	i 	• •	$\frac{2}{4}$	1	,				
latuku lorgan felson Igahinepouri lorwegians lolan	i		$\frac{2}{4}$	$\frac{1}{2}$	** **				Unsatisfactory.
latuku lorgan Igahinepouri Iorwegians Iolan Phauiti	i 	• • • •	4	1		 	· · · ·	 	Unsatisfactory. Fair.
latuku lorgan Gahinepouri lorwegians Jolan Phauiti Pkauia	i ••• •••	 	4 10	$\frac{1}{2}$	77				
latuku lorgan Kelson Igahinepouri Kolan Kolan Dhauiti Dkauia Dmeheu	i ••• ••	 	$ \begin{array}{r} 4 \\ 10 \\ 4 \\ 9 \\ 25 \end{array} $	$\frac{1}{12}$	99 · · · 99 · ·				Fair.
fatuku forgan Vgahinepouri Norwegians Nolan Dhauiti Dhauiti Dmeheu Dpouriao Drini	i 	 		$ \begin{array}{c} 1\\ 2\\ 12\\\\ 75\\\\ \end{array} $	22 22 23 25 27		•••		Fair. Good. Very good. "
latuku lorgan kelson Jgahinepouri Korwegians Kolan Jhauiti Jhauiti Dhauiti Dhaheu Jpouriao Prini	i 	 	$ \begin{array}{r} 4 \\ 10 \\ 4 \\ 9 \\ 25 \end{array} $	$ \begin{array}{c} 1\\ 2\\ 12\\ .\\ 75\\ \end{array} $	22 · · 23 · · 23 · · 23 · · 23 · · 23 · ·	 	•••	•••	Fair. Good.

Name of Est	ate.	Lease- holds,	Free- holds.	Principal Purpose for which	Holdi:	ngs are utili	zed.	Remarks as to Preser Position.
Auckland-con	itinued.							
)tway	• •	8	10	Dairying	• •	••	• •	Very good.
akarau		14	10	,,	••	• •	••	,,
ukemapou	••	9 5	2	.,	••	• •	• •	,, Good.
uketarata uahue	••	15	· . 6	, Dairying and mixed farm	 ina		••	6000.
uahue angiatea	• •	3	24	Dairying and mixed farm			••	Very good.
angitaiki	••		1	Dairying, small farming		••	•••	vory good.
eporoa		97	19	Dairying and grazing				Good.
ewi		4	8	Dairying			•••	Very good.
evnolds		21	4	······································				Good to doubtful.
oekburn		1					• •	Fair.
otomanuka		1		,,				Good.
elwyn		53	202	Dairying and mixed farm	ing			Very good.
ahaia		11		Dairying	••		••	Fair.
ainui	• •	2	1	Grazing	••		• •	
airua	• •	19	7	Residential and farmlets		••	• •	Good.
aniwha	• •	10	2	Dairying	••	• •	• •	" 12 - :
angao	••		$\begin{array}{c} \cdot \cdot \\ 2 \end{array}$,,	••	••		Fair. Very good.
apapa autari	••	$\frac{8}{34}$		Business and residence	• • • •	•••	 	Fair to doubtful.
easdale	•••	8	$12 \\ 92$	Residential and farmlets			••	Very good.
e Miro	••	28	6	Dairying and grazing			••	Fair.
e Ngaroa		2		Dairying	•••		•••	
e Poi		$\overline{2}$		······································	•••			Good.
aiare	• •	4		,,		• •		,,
/aimana		17	26	Dairying and mixed farm	ing			Very good.
/airakau	•••	13	1	"		• •	••	,,
Valters		3	• • •			• •	••	,,
Vaitakaruru	••	13	5	Dairying and grazing	••	••	• •	Good.
/hatawhata /hitehall	• •	3	$\frac{1}{15}$	Dairying Dairying and grazing		• •	• •	Very good.
	••			- Dairying and grazing	••	••	• •	very good.
Totals	• •	768	956	-				
Gisborne	2.							-
panui	• •	7	1	Dairying	· •	• •	••	Good.
rdkeen	• •	15	· · ·	Pastoral	· •		• •	Fair.
lydebank .	••	2	5		• •	• •	••	Good.
lencoe	••	6		Dairying	• •	••	••	"
Iomebush Iukutaia	• •	13	4	,,	••	• •	••	"
lukutaia lanakanaia	••	18		Pastoral	••	•••	••	"
gatapa	••	24	4		••• •••	••	••	"
huka		1 Îl		,,				Poor.
aremata		7		Dairying and pastoral				Fair.
ouparao		3	6	Agricultural				Good.
epongaere		10	2	Dairying and pastoral				Fair.
ere	• •	2		,,	••		• •	,,
uangarehu .		2		,,	••			" ".
e Arai 🛛	••	47	15		• •	• •	• •	Good.
e Wera	••	· · ·		Pastoral	••	••	• •	Fair.
Vaimarie	••	9	8	Dairying and pastoral	••	••	• •	Good.
Vharekaka Vigan	• •	13 12	7	"	• •	••	••	Poor. Good.
/igan /illows	•••	$12 \\ 12$	9	25 27	••	•••	•••	,,,
					••	••	•••	,,
Totals	••	220	62	- Franker				
Hawke's Be		4.3		Acquient terms and the start				Vancanat
	• •	$42 \\ 6$	22	Agricultural and pastoral Dairying		• •	••	Very good. Fair.
wamate eattie	• •	5	· · · · ·	Pastoral	· · · ·	••	•••	Good.
lydebank	••	12	4					••
orby		4		Mixed farming				Fair.
oyne		1		,,				,,
rownthorpe		18		Pastoral	••		• •	Good.
lsthorpe	• •	29	22		••	• •	• •	Very good.
orest Gate	••	16	13	Agricultural and pastoral		• •	••	Good.
lengarry	• •	28	·:	Dairying	••	• •	••	Fair.
wavas	••	$ 10 \\ 51 $	$\frac{1}{30}$	Pastoral Agricultural and pastoral	••	••	• •	Poor. Vory good
atuma .umeroa	••	1 14	30	Agricultural, pastoral, and		· · ving	••	Very good.
indsay	•••	53	20	Mixed farming	uan	yng 	•••	••
Iahora	•••	19	16		•••	••		•,
langa-a-toro		16	13	Agricultural and pastoral				••
langatahi		20	4			• •		,.
larakeke		17		Mixed farming				Fair.
		9	l	Dairying		·		Good.

SUMMARY OF THE SETTLEMENTS ESTABLISHED UPON ESTATES ACQUIRED AND DEALT WITH UNDER THE PROVISIONS OF THE LAND FOR SETTLEMENTS ACT UP TO THE 31st March, 1938—continued.

Name o	f Estate.	i	Lease- holds.	Free- holds.	Principal Purpose for which		gs are utilized		Remarks as to Present Position.
Hawke's L									
Otamauri			15	2	Agricultural and pastoral				Good.
Parinui			3		Mixed farming Agricultural and pastoral Fruit				Fair.
Pourerere		·	6	L L	Agricultural and pastoral				Good.
Pukahu		••	2		Fruit				Fair.
Raumati			28	5	Pastoral and dairying	• •	••	•••	, , , , , , , , , , , , , , , , , , ,
Raureka			10_{-}	9	Dairying and fruit-culture			•••	Very good.
Rissington		•••	5 5	• •	1	•••	• •	• •	Good. Poor.
Rylands Sherenden	 	•••	$\frac{5}{20}$	· · 1		• • • •		· · 	Very good.
Springhill		•••	$\tilde{17}$	1		• •			very good.
Fe Kaihi			3						Fair.
Ге Kura			11		Dairying				,,
Fe Mata	• •		10	3		• •	• •		Poor.
l'ongoio		• •	12			••			Fair.
l'omoana			3	II II	Fruit and dairying Mostly pastoral			• •	Very good.
Naihau	••	••	17	4	Pastoral			••	Good.
Waipuka	••	• •	$\frac{1}{10}$			 	••	• •	Fair.
Watea Vilder	••	• •	4	••	Pastoral	• • • •	••	• •	, », •, •, •, •, •, •, •, •, •, •, •, •, •,
Noodlands			8		Dairying and agricultural				, ,, ,,
Aiscellancou			ĭ	2	Dwellings				
Tot		••	561	188	-				
	ınaki.				Daimying				Kain
Araheke	• •	••	$\frac{3}{7}$		Dairying	 	•••	· · · ·	Fair. Very good.
Ulandon	••		2	·i		· · · ·	•••	•••	Good.
Jroydon Hawke	•••	•••			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · ·			
Huatoki	••		${29}$	6	Residential, small farming			•••	Unsatisfactory.
Huia			6		Mixed farming				Fair.
Huinga			8	2	Dairying and mixed farming				Good.
Karu		• •	4		Mixed farming			• •	Satisfactory.
Katikara			3	1		••	••	••	Good.
Kohura	••		11		0	••	••	••	Fair.
Kota	• •	• •	7	• •	~	••	••	•••	Good.
Mana	••	•••	1	••		 	••	• •	Fair. Satisfactory.
Mangamaire Marco			$\frac{1}{2}$	••		· · · ·		• •	Fair.
Marco Matane	• • • •	•••		 I		· · · ·			Freehold; very good.
Ngutu			1						Unsatisfactory.
)kahu			ĩ		1				Fair.
Parkes			7						Very good.
Piu			1		5	• •	• •	• •	Unsatisfactory.
Rahu	••		1	· · ·	T	• •	• •	•••	
Ratapiko	••	• •	3		Dairying and mixed farming Residential, small farming	ng		• •	Good. Very good.
Spotswood	• •	•••	8	- 38	Mixed farming			• •	Good.
l'aitama	••	••	$\frac{6}{7}$	 		••	••	••• ••	Very good.
Fariki Fawhiwhi	••	•••	8		Mixed farming	• •	••	• •	Satisfactory.
Fokaora	• •	• •	$\frac{3}{2}$	14		• • • •			Very good.
Fututawa	•••	•••	$\frac{2}{3}$			••			Good.
		•••							
Tot		•••	137	65	 _:				
Welling	<i>,</i>		10		Dairying				Good to fair.
Ahiaruhe Akitio	••	•••	10 6		Grazing sheep and cattle	••		· ·	Good.
Almadale	· · · ·	••	8	••	1 mm	· · · ·			Lower good ; upper fair
Aorangi	•••	••	15	27					Good.
Awawhata	• •		2		Dairying and a few sheep	• •			Fair.
Armstrong			1	•••					Good.
Bailey			1		,,	• •	••	••	,
Bartholomev	N	• •	6			••	• •	••	Improving.
Benge	••		1	• •		••	••	• •	Fair to poor.
Braemore	• •	• •	4	••	1	••	••	••	Good.
Brown	••	••	I 1	· ·	Dairying	• •	• •	••	Fair.
Bruce	••	••	1			•••	••	••	Good.
Bryce	••	•••	$\frac{3}{1}$		Dairying and a few sheep		•••	· · · ·	Fair.
lailender larrington	•••	•••	33		Dairying and some sheep		•••		,,
Jarrington Jherry Grov			3	••	Dairying	•••			
Joverlea			17					•••	Good.
Corliss			i			• •			,,
loyle			1			••		· •	
					1				: One good , one fair
Surrie		• •	$\frac{2}{1}$			· · · ·	••	• •	One good ; one fair. Good, but too small.

Name of	Estat	e.	Lease- holds.	Free- holds.	Principal Purpose fo	r which	Holdin	igs are utili:		Remarks as to Present Position.
Wellington-	-cont	inued.								
Devonshire			1		Dairying and Resid	lential			• •	Good.
Dixon			1		,,					,,
			35	12	Dairying, cropping			• •	• •	Fair.
	••		5		Dairying and grazi			• •		Very good.
puni Hamle		• •	15	30	Mixed and garden		••	• •	• •	Good.
vans	••	• •	1	· ;	Dairying and a few			••	••	Fair.
'airfield 'alloon	••	••	$\frac{7}{6}$		Dairying Dairying and a few	aboan		••	••	Fair to poor. Good to very fair.
lee	• • • •	• •	1		Dairying and a new			•••	•••	Fair.
lasspole			i		,,		· •	•••		Poor.
ower			2		,,					Fair.
raham			ī		,,					,,
reystoke			11	1	,,			••		Good.
reves]		Dairying and a few	sheep		••	• •	Fair.
	••		3	37	Gardening			••	• •	Good.
lammond	••		1		Dairying		••	••	••	Fair.
lawtrey	••	••	34	62	Residential		· •	••	• •	Doubtful; little d
r 1.				-	10 · · · ·					mand.
[ardie	••	••	1	•••	Dairying		••	• •	••	Good progress bei
aunni No.	1		8							made. Good.
aunui No. aunui No.		•••	8 7		,,		• •	•••	• •	
	_ 	••	í				••	••	••	,, ,,
eatherlea			17	10	,,			•••	•••	,
eretaunga			12	114	Residential		· ·			Very good.
			2		Sheep and dry catt	le				Fair to poor.
เป			1		Dairying and a few	sheep				Fair.
orrobin			I		Mixed					Fair to poor.
ohnson	••		1		Grazing		• •		• •	Improving
airanga			11		Dairying		••	••	••	Good.
iwitea	••		1		,,		••	••	••	
opane	••	••	14		,,		••	••	• •	Good, but too small.
uku	••	••	$\frac{4}{9}$	16	Mixed Grazing		••	••	••	Good.
angdale angley-Pur		•••	9	1	Las r r		••	••	••	"
angtey-rur ean	10m	•••	1		Dairying Residential		••	••	••	,,
ewis	•••	•••	î		Dairying				•••	Fair to poor.
inton			$\overline{5}$,,					Good.
ittle			ĩ		Sheep and dry catt	le			• •	Good to poor.
ittler			1		Dairying			• •		Good.
oughnan	• •		25	3	Residential			• •		Very little demand.
ongbush ar			14	8	Mixed				••	Good.
lakowai and		nsion	26		Dairying		- •	• •		Fair to good.
	••	••	2	••	,,		• •	••	• •	Fair.
larama-a-m		••	6	• • • •	,,		••	••	••	,, Good.
langawhata [arshall		•••	 1	7	,,		••	••	••	Good. Fair.
arsnan aungaraki	••		17	4	", Residential		••	••	••	Poor.
ataikona		•••	17		Grazing		 	••	••	Going back.
atamua	•••		$\frac{5}{2}$	i	Dairying			•••	•••	Poor.
elling			$\frac{1}{2}$		Residential					Good.
oroa			$1\overline{9}$		Dairying					Fair.
otukai			3		Grazing			• •		,,
uhunoa	• •		2	•••	Dairying			• •		Fair to poor.
		••	1		,,		••			Fair.
eKenzie	• •	• • •	1		,,		••	••	· •	Good.
cLean	• •		1	• • •	",		••	••		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
eligan			1			1	••	••	••	Fair to good.
esdale No.		• •	1		Dairying and pasto		••	••	••	Fair.
esdale No.		• •	$\frac{1}{6}$	•••	Grazing		••	••	· •	Good to fair.
gahape gakaroro	••	••	$\frac{6}{2}$		Grazing Dairying		•••	•••		Fair.
zakaroro zarara	••	••	$\frac{4}{5}$,,		••	••		Good.
ormandale	••		$\frac{0}{20}$	$\frac{1}{28}$	Mixed		•••			Poor.
akea			3	14	Dairying					Good.
liver			$\frac{1}{2}$,,					Fair.
ver			1		Grazing					Gone back.
mapu	• •		4	••	Dairying			•••		Good.
roua	•••		2		,,			• •		,,
sborne			5		,,		• •		· •	· · · ·
ahome		••	2		Grazing		· •	••	• •	Very fair.
turoa	••		7	· · ·	Dairying		• •	••	••	Failing.
		•••	18	3	Residential		••	••	••	Fair. Good.
wenga										1.1.000
wenga aa Creek		••	1		Dairying		••			
wenga			18	 18	Residential Grazing		· · · ·			Fair to poor. Poor.

3-C. 1.

Name o	f Esta	te.	Lease- holds.	Free- holds.	Principal Purpose fo	or which	Holdings	are utilized	1.	Remarks as to Prese Position.
Wellington-	eon	tinued]						
hillips	-com		4		Dairying					Very good.
ihautea			$2\overline{6}$	2	,,,					Good.
itt				5	Gardening					Fair to poor.
ohehe	• •		1		Dairying, sheep, ar	nd cattle	Э			Good.
$\operatorname{proporo}$	••	••	16	2	Mixed					Fair to poor.
ıkekoa	••		9		Dairying				••	Fair.
ikenamu a			8	· · ·			••	••	• •	Fair to poor.
ıketoi	••	• •	8	2	Grazing, sheep, and			••	••	Good.
itorino iillinan	•••	••	$\frac{14}{1}$		Dairying		••	••	••	Fair.
	••	••	3	•••	,,		•••	••	••	Good. Fair.
uatangata			3	•••	,,		• •	•••	••	Good.
			1		,,		••	•••	•••	Fair.
xon			î		,,		••			Good.
land			1		,,					"
anley	• •		1		,,					Fair.
okes			1		,,					,,
blelands a	nd Hi	ikiwera	11	6	Grazing			••		Good.
ikorea	••		5	• • •	Dairying		••	••	••	Fair.
uherenika			1		Mixed		••	••		
umaihi	••	••	$\frac{2}{2}$	1	Residential		• •	••	• •	Poor.
puae	••	•••	2	•••	Grazing		••	••	• •	Good.
waha	••	• •	24	1	Mixed		• •	•••	••	Good to fair.
Matua Ore Ore	••	• •	4	11	Dairying		• •	•••	••	Good.
Whiti			$\frac{8}{6}$		Dairying and cropp		••	••	••	Good to fair.
kotu	• • • •	•••	6 3	• •	Dairying		••	••	• •	Good.
raumea	••	••	د 16	• •	Grazing		• •	••	••	Fair, but too small
apurupuru			3	•••			• • • •	•••	•••	Fair to poor. Good.
turumuri			12		··· ··		· · · ·		••	Good to fair.
addington			$\tilde{13}$	3	Gardening				•••	Poor.
ahren			1		Dairying				•••	Fair.
aihora			3		Mixed				•••	Very fair.
aitawa			3		Dairying				•••	Good.
aterson		•••	2		Dairying and pasto	oral				Fair.
estella	••		12		Dairying		••	••		,,
estmere	••	••	9	• •	Mixed		••			Very fair.
hite	••	••	1		Dairying		• •	••		Good.
ilford	••	••	61	139	Residential .		• •	••	• •	,,
oulfe	••	• •	1	• ;	Dairying		••	••	• •	,,
right oule	••	••	· · 1	1	,,,		••	••	• •	
ome	••	••	1	••	,,		••	••	••	Fair.
Tot	als		874	572						
Nels	on.									
	••		1		Grazing		••	• •		Poor.
	••	• •	17	6	Mixed farming	•	••	••	• •	Good
enrae	••	••	1	••	,,		••	••	••	,,
olden Dow		••	1	••	,,, ···		••	••	••	,,
omestead ke	••	• •	1		Grazing		••	••	• •	,,
.ke aruia	••	• •	$\frac{5}{10}$	1	,, Grazing and dairyi		•••	••	••	Fair.
iruia itakitaki	••	• •	10	• •		-	• •	• •	• •	,,
lmer	••		1	••	Grazing Mixed		• •	••	••	"
ittall	•••		1		Dairying		••	•••	••	,,
taki			4	1	Grazing		•••		•••	Poor.
aimaunga			ī		Dairying			••	•••	
alker	••		ī		,,					Good
angapeka	• •		15	3	Mixed farming				••	,,
Tot	als		60	11	-					
Marlb		h.								
	••	• •	4		Agricultural and da	airying				Poor.
		• •	18		Agricultural and sh		• •			Very good.
nd River	••	• •	1		Agricultural		••	••		Poor.
nd River mford		• •	10	2	Sheep		••	••	•••	Fair.
nd River mford ina		• •	6		Dairying		••	• •	• •	,,
ind River omford ina rnleigh	• •		128	17	Agricultural and pa			••	• •	Very good.
ind River omford ina rnleigh axbourne	••		3		Sheep		• •	••	••	Fair.
ind River omford ina rnleigh axbourne oat Hills	•••	••	e 1		,,		• •		• •	Good.
ind River omford ina ernleigh axbourne oat Hills Illersden	•• •• ••		51	1	,,,					
ind River mford ina rnleigh axbourne at Hills llersden llersden B	••• ••• ush	 	1							· · ·
ind River omford ina rnleigh axbourne oat Hills llersden llersden B nkwaterda	 ush le	 	$\frac{1}{5}$		Agricultural and da				•••	Fair.
ind River omford ina ernleigh axbourne oat Hills Illersden B nkwaterda enton Dow	 ush le ns	 	$\begin{array}{c}1\\5\\11\end{array}$	· · · · · · · · · · · · · · · · · · ·	Agricultural and da		••	•••	• •	Fair. ,,
berton ind River omford sina srnleigh axbourne aat Hills illersden B nkwaterda nton Dow borlands wille	 ush le ns 	· · · · · · ·	$egin{array}{c}1\\5\\11\\6\end{array}$	· · · · ·	Agricultural and da Sheep Agricultural		••	 	•••	Fair.
ind River omford enleigh axbourne oat Hills illersden B nkwaterda /nton Dow	 ush le ns	 	$\begin{array}{c}1\\5\\11\end{array}$	· · · · · · · · · · · · · · · · · · ·	Agricultural and da		••	•••	• •	Fair. ,,

Name o	of Estate.		Lease- holds.	Free- holds.	Principal Purpose for which Holdings a	are utilized.	Remarks as to Present Position.
	, , ,			`			
<i>Marlborougi</i> Puhi Puhi			2		Sheep		Good.
	••	•••	ñ	••	Sheep Dairving	··· ··	Good.
Richmond E			12			••••••	Very good.
Starborough			165	$\frac{1}{28}$	Agricultural and pastoral		, cry good.
Waipapa			4				Good.
Warnock			$\tilde{2}$				Poor.
Wither			17	5	Sheep and poultry		Fair.
Tot	tals		481	62			
Westl					•		
			9		Dairying and grazing		Highly satisfactory.
Poerua			$2\ddot{3}$	7			Satisfactory.
Raupo			4				,,
			1		Residential		
Tot	tals		37	7			
Cante	erbury.						
Acton	••	••	6	• •	Mixed farming	•• ••	Areas recently increased
A 11					C13		should now succeed.
Albury	••	•••	77	4	Sheep-farming and grain-growing	••	Very good. Fair.
Allanholme Annan		••	$10 \\ 43$	 5	Mixed farming and grazing	··· ··	Well established.
Annan Ashley Gorg	••	••	43 7	3	Dainy farming and grazing		wen established.
	e 		6	 		··· ··	Fair; holdings too
11011011	••		U		in the state of th		small; land dirty.
Ashwick			8		Sheep-farming and grain-growing		Fair.
Avenel			17		Mixed farming		Satisfactory.
Avenel Exte	ension	• •	12	• •			Generally satisfactory.
Avonhead			17	1	Small farming	•• ••	Still uncertain.
Avonhead N	Io. 2		19	1	Mixed farming		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	••		6	••	Mixed farming		Good.
Bankfield	••	•••	9	••		•• ••	Fair.
Beach	••	••	10	••	Mixed farming	•• ••	Fair; holdings too small.
Bourndale			10		Mixed farming and grain-growing		Fair.
Braco			$\frac{10}{2}$	12			Well established,
Brinklands				2			Under manager.
			4		Mixed grain-growing	••• ••	Still uncertain.
Brooksdale			14		Mixed farming	•••	Uncertain; holdings too small.
Bruce			4		,,	•• ••	Fair.
Buckley	· •		3		,,		,,
Buddo	••	• •	9	6	Workers' dwellings Homestead-site	•••	,,
Burke's Hor			1	• •	Homestead-site	•• ••	••
Chamberlain		•••	19	2		•• ••	Fair.
Clandeboye		· ·	11	••	Dairy-farming and grain-growing		Very fair.
Clandeboye	No. 2	••	6	•••	Sheep-farming and grain-growing	••••••	Fair. Poor to fair.
Claremont	••	•••	$\frac{11}{6}$	••	Sneep-farming and gram-growing		Good.
Clayton Clunes	••	••	8	••	Mixed farming	··· ·· ·· ··	Fair.
Coldstream			11	•••	Mixed farming and grain-growing		Fair; holdings too small.
Cooper's Cre	elz		1		Sheep-farming		Fair.
Copland			$\frac{1}{2}$		Sheep, dairying, and grain-growing		
			$\tilde{9}$				Poor to fair.
Cricklewood			11				,,
Culverden			$\overline{52}$	21	Mixed farming and grazing		Good.
Douglas			$\overline{36}$	••	Mixed farming and grain-growing		Fair.
Doyleston			5				Uncertain yet.
Drayton	••		13	7	Agricultural		Improving.
Dromore	••	•••	2		Mixed farming and grazing	••••••	Areas and rentals re- cently adjusted;
Eccleston			4		Sheep-farming and grain-growing		should now succeed. Good.
Epworth				2	Now freehold		
Finlay Down			4		Mixed farming and grain-growing		Poor to fair.
Four Peaks		•••	8		Sheep-farming and grain-growing		Good.
Fyvie			4	1	Mixed farming		Not satisfactory.
Glenmark	••		27	4	Mixed farming and grazing		Good.
Glentanner			••	••	Homestead-site	•• ••	Fair.
Gorge Road	••	••	3	18		•••	
Grange	••	••	3	1	Dairying and grain-growing		Fair; holdings too small.
Hadlow			1		Mixed farming	·· ··	Fair.

SUMMARY OF THE SETTLEMENTS ESTABLISHED UPON ESTATES ACQUIRED AND DEALT WITH UNDER THE PROVISIONS OF THE LAND FOR SETTLEMENTS ACT UP TO THE 31st March, 1938—continued.

Name of Estate.		Lease- holds.	Free- holds.	Principal Purpose for which Holdings are utilized. Remarks as to Present Position.
Canterbury—contin Hawthorne	ued.	9		Mixed farming Satisfactory; holdings
Hei Hei 🛛		11	5	Poultry-farming, &c Uncertain yet.
Hekeao		10	7	Mixed farming
lewitt		1		Homestead-site
Highbank	••	69	13	Mixed farming
fillboro	••	.3	• •	Mixed farming and grain-growing Poor to fair.
fomebrook fornby	••	$\frac{16}{16}$	7	Mixed farming Good.
torsley Down		10	23	Agricultural and gardening Fair. Mixed farming Well established.
sleworth		18		311 1 1 1 1
ungle		$\overline{2}$		Dairy-farming Fair.
Kaimahi	••	3	10	
Sakahu	••	4	1	Workers' homes and gardening Poor to fair.
Kapua	••	12	•••	Mixed farming and grazing Good.
Kapuatohe Keith	••	5	9	Market-gardening and dairying
Kereta	•••		 	Workers' homes and gardening Satisfactory. Mixed farming Good.
Kinloch		30	2	Dairying and sheep-grazing Good. Well established.
Kohika		16		Mixed farming and grazing Good.
Kohika No. 2		4		Mixed farming
Xowhatu	••	4		,, Fair.
adbrooks		14		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ambrook Lansdown	•••	$\frac{6}{10}$	·:	y y
Lauriston	•••	4		Mixed farming and grain-growing "," Mixed grain-growing Fair : too much erop
		т	1	Mixed grain-growing Fair; too much crop- ping.
Leeston		5	1	Agricultural
Lees Valley		8		Sheep-farming
•				proving.
yndhurst	• •	18	• :	Mixed farming Satisfactory.
Lyndon	••	7	1	Well established.
Lyndon No. 2 Aacgregor		$\frac{9}{1}$	••	Mixed farming and grazing
Marawiti	••	12^{1}	i	", Very poor. ", Good.
Maytown		7	3	Mixed farming and dairying Good.
dead		21	L	Mixed farming and grazing Well established.
Ieadows		14		Mixed farming and grain-growing Fair.
Milford		4		Mixed farming ,,
Aills Aoanaroa	•••	$\frac{21}{3}$	• •	Mixed farming and dairying
Moanaroa Morice		28	 3	Mixed farming Fair ; improving. Dairying and grass-seed growing Satisfactory.
Morten		$\tilde{16}$	2	Poultry, &c Satisfactory.
Nontford		7		Mixed farming and grazing Improving.
Nount Nessing		11		Sheep-farming and grain-growing Fair.
New Park	••	7		Mixed farming Fair; holdings too small.
Dakwood	•••	$\frac{5}{e}$	••	Mixed farming and grain-growing Fair.
Dhapi Dmihi	••	6		Mixed farming Good.
Omihi Drakipaoa		$\frac{1}{26}$	 1	Homestead-site
Itaio		20 9		Mixed farming
Dtarakaro			7	Small farming and dairying Well established.
Papaka		9		Market-gardening Good,
Pareora		26	$\frac{2}{2}$	Mixed farming
Pareora No. 2 Patoa		26	7	,, ,, ,, ,, ,, ,,
Patoa Pawaho	••	$\frac{1}{7}$	$\frac{3}{18}$	Grazing and small farming Satisfactory. Market-gardening
Peaks		9	3	Nived forming
uhuka		$\frac{9}{9}$	1	Workers' homes
unaroa		14	3	Dairying, sheepfarming, and grain-growing Good.
Raineliff	• •	1		Sheep-farming
Rakitairi	••	20	2	Mixed farming and grain-growing Fair to good.
Rapuwai	• •	5		Fair.
Rautawiri		6		Mixed farming, grain-growing, and small farm- ing
Riverina		3		Mixed farming Fair ; holdings too small.
Roimata	••	7	22	Workers' homes.
Rosebrook	••	11	3	Small farming and dairying Fair to good.
Rosewill Ruapuna No. 2	••	$151 \\ 15$	11	Sheep-farming and grain-growing
cargill	•••	15 9		Vixed farming and grazing
Scotston		$\frac{3}{2}$		Mixed farming and grazing "", Mixed farming Fair; improving.
Seafield		$\tilde{6}$		Fair · holdings too small
Seaforth		7		Small farming and dairying Fair.
herwood Downs		30	1	Sheep-farming and grain-growing Poor to fair.
pringwell		6		Mixed farming and grain-growing Fair to good.
toke	•• .	7		Mixed farming Good.

SUMMARY OF THE SETTLEMENTS ESTABLISHED UPON ESTATES ACQUIRED AND DEALT WITH UNDER THE PROVISIONS OF THE LAND FOR SETTLEMENTS ACT UP TO THE 31ST MARCH, 1938—continued.

Name of Estate.		Lease- holds.	Free- holds.	Principal Purpose for which Holdings are utilized	Remarks as to Present Position.
Cantorhum continu					
Canterbury—continue Strathmore	su.	3		Mixed farming	Fair.
		4		Small farming and dairving	Good.
lakitu		5		Sheep-farming	
Tamai		8	33	Sheep-farming	Satisfactory.
Tara		9	1	Sheep-farming and grain-growing	Good.
farawahi		2	26	Workers' homes	Satisfactory.
l'eschemaker		14		Mixed farming and grain-growing	Poor to fair.
l'imaunga		15		Mixed farming	Fair to good.
fimaunga Extension		7			Fair.
fripp		23		Sheep-farming and grain-growing	Poor to fair.
/alverde		10	••	Mixed farming	Holdings too small; lan
					dirty.
Waiapi		11	4	Sheep farming and grain-growing	Good.
Vaikakahi	••	180	25	,, ,, ,, ,, ,,	,,
Vaimate	••	34_{-}	••	Sheep-farming and fruit and grain growing	Poor to fair.
Vairere		7	••	Mixed farming	Fair; holdings too
		~			small.
Vaitohi Peaks	••	8	••	Sheep-farming Mixed farming and dairying	Improving.
Velburn	••	6		Mixed farming and dairying	Uncertain.
Vharenui	•••	11	14	Workers' homes	Well established.
Vinchester	•••	10		Sheep-farming and grain-growing	Fair.
Voodlau	•••	4	••	Mixed farming and grazing	Uncertain yet.
Totals		1,841	369		
Otago.		10	1	Dairying and general	Good.
Ardgowan		60	12		·· ,,
Arnmore		5	12	Mixed Grazing	
Arthurton		4		Grazing	Good.
viemore		î		,	. ,,
wamoa		ĩ	1	,, Mixed	•• • •
Barnego		19^{-1}	5	Dairying and general	
Bellamy		13		Grazing	Poor.
lareview		5		Dairying and general	Good.
lifton		7		General	Fair.
Conical Hills		45	2	Grazing and general	. Poor.
rosshill		5	1	Mixed	Fair.
Croucher		1		,,	Good.
Dalmain		3		Grazing	Fair.
Downs		8		Mixed Dairying	Good.
Duncan		3	6	Dairying	Poor.
Earnscleugh		24	2	Fruit <th.< td=""><td> Fair.</td></th.<>	Fair.
Elderslie No. 1	• •	34	3		. Good.
Eldeslie No. 2		16	••		Very good.
falloway	••	11	1	Fruit and homestead-sites	Very fair.
Hadbrook		46	3	Dairying	Fair.
Henn		4	•••	Mixed	··,,]
reenfield		35	8	,, ,·· , ·· ·· ··	Good.
lilderthorpe	•••	19	•••	General and workers' homes	Fair.
Iyde .	• •	2	4	Mixed and general	Good.
anefield	• •	19	3	Dairying and fruit	•• ,,
Kauroo Hills.	• •	43	3	General	•• ,,
Kelso	••	3		Dairying	·· ,,
urow	• •	11		Dairying and general	. Only fair. . Good.
akeview	• •	$\frac{1}{77}$	i i	General	
laerewhenua	• •	$\frac{77}{32}$	1	,,	Very good. Very fair.
Iakaraeo	• •			,,	D C
fakaraeo Extension fanuherikia	••	$\frac{3}{9}$	i	General, with irrigation	AT C 1
	••	8			
Iaraeweka Iatakanui	••	3	••	General	Good.
leadowbank	•••	11	• •		17 1
Ielville Park	••	7	•••	General Dairying and mixed	
-		5	 9	Dairying and mixed	37 1
lomona Iurrayfield		$\frac{3}{2}$		Mixed	Very good. Good.
akleigh		1			Only fair.
tanomomo		$2\overline{5}$	1	,, Dairying	Good.
tekaike		$\frac{25}{65}$	2	Mixed	Fair.
lunket		18	2	·······	Good.
omahaka		$\frac{10}{22}$	3	······································	Very fair.
onianaka Poplar Grove		21	2	,,	Good.
ukeawa		14	2	Mixed	"
ukenui		6		77 ··· ·· ··	••• ••
uketapu		6	5	Dairying	
Rockford		4		Mixed	,,
Rosebery		15		Grazing and general	
Rugged Ridges		1		Grazing	Very fair.
······································		50	5	Mixed	Good.
teward		00			

Name of Estate.		Lease- holds.	Free- holds.	Lease- holds. holds. Principal Purpose for which Holdings are utilized.					
Otago-continued.									1
Tahawai		7	1	Dairying					Good.
Tapanui		7		General					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Taumata		9		Mixed					,,
Teaneraki		23		Dairying					Very fair.
Te Puke		4		Mixed					Good.
Teviot		24	1	Grazing					Fair.
Tilverstowe		7		Mixed		••			,,
Tokarahi		75	2	,,	••				Good.
Tokoiti		4		,,					,,
Totara		27		,,		••			
Wairuna		11		,,					Fair.
Waitahuna No. 1		1	1	,,					23
Waitahuna No. 2		6	1	,,	••	••			Poor.
Westcott		7	• •	,,					**
Wilden	• •	13		Mixed agricultur					Good.
Windsor Park No. 1	••	36	2	Mixed	1				Very good.
Windsor Park No. 2	••	10		,,	••	••			,,
Totals	••	1,137	100	-					
Southland.				-					
Allenby		5		Dairying					Fair.
Ardlussa	••	5		Pastoral	••	••	••	 	Very poor.
Beaumont	•••	10	$\frac{\cdot \cdot}{2}$	Mixed farming			••		very poor.
Brydone		2	-	Dairying			• •	••	Good.
Campbell		$\frac{2}{3}$		Mixed farming	••	••	•••		Poor.
Crichton Park		4	2	Minete Infilling					Fair.
Edendale		95	$5\overline{9}$	Dairying					Very good.
Ermedale		10	3	Mixed farming					Fair.
Fern Hill		6		,,					1,
Fortification Hill		6		,,					
Glenham	•••	28	16	,,					Very good.
Knowsley Park		9							Poor.
Lambert	•••	1		Dairying					Fair.
Lamont	•••	6		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			••		,,
McCallum		4		,,		••	••	• •	22
Maori Hill		16	5	Mixed farming	••	• •			Good.
Merivale		45	14	,,					,,
Merivale No. 1		9		,,		••			Fair.
Merivale No 2		7		,,	••		••		29
Monte Cristo		4		Dairying		••			>>
Otahu	•••	5	3	Mixed farming	••	••			,,
Ringway	•••	4	3	,,,	••	••			22
Simpson	•••	1		,,		••			Poor.
Stalker	••	8	1	Dairying	••	••		••	Fair ; holdings too small.
Strathvale		9	• •	,,	••	••	••	• •	Very good.
Tamatea	••	7		31: 3.0	• •	• •	• •	• •	Good.
Teihoka	••	$\frac{2}{2}$		Mixed farming	••	••	••	••	
Te Wae Wae	••	3	••	Dairying	••	••	••	• •	Fair.
Waiarikiki Waikiwi Town	••	$\frac{7}{24}$	33	Mixed farming Suburban buildi	 na sites	••	••		Poor. Fair.
	••				ug-snes	••	••	••	rair.
Totals	••	345	141	_					

EXTRACTS FROM REPORTS OF COMMISSIONERS OF CROWN LANDS. NORTH AUCKLAND.

(W. D. ARMIT, Commissioner of Crown Lands.)

Some substantial adjustments have been made on some of the settlement blocks during the year, following applications in terms of the Mortgagors and Lessees Rehabilitation Act, 1936. Voluntary settlement in terms of the Act was effected in nearly all cases, and the settlers concerned have now every prospect of complete success in farming their holdings.

Apart from concessions in rentals, the Department has assisted some settlement lessees of lowlying areas by making available other areas of Crown land for "run-off" purposes, thereby assisting in coping with problems arising out of occasional heavy flooding.

While the dairy-farmer has experienced a fairly good production year with guaranteed price return, the grazier tenant experienced a drop in wool and sheep prices, but had a good return for cattle.

AUCKLAND.

(K. M. GRAHAM, Commissioner of Crown Lands.)

As most of the settlements in this district are devoted to dairying, and as the season has been uniformly favourable, the settlers have enjoyed a fair amount of prosperity.

No new estates have been purchased during the year.

Galatea Settlement has been partially settled, but the greater part of it is worked by the Department as a sheep and cattle station.

GISBORNE.

(H. L. PRIMROSE, Commissioner of Crown Lands.)

No new areas have been purchased during the year. The Te Wera Estate is continued to be farmed by this Department, with very satisfactory results. The time has not yet arrived for the cutting-up of this station into separate farming allotments.

HAWKE'S BAY.

(F. R. BURNLEY, Commissioner of Crown Lands.)

No further areas have been purchased during the year. The present settlers continue to make progress.

TARANAKI.

(A. F. WATERS, Commissioner of Crown Lands.)

There were no purchases of estates during the year.

The average dairy-farmer should now be in a position to pay his way, but there are still a few cases where difficulty is experienced in collecting charges.

The drop in the price of wool has seriously affected the sheep-farmer, but, while prices for stock keep up, his position cannot be regarded as unsatisfactory.

WELLINGTON.

(H. W. C. MACKINTOSH, Commissioner of Crown Lands.)

No new estates were acquired during the year under the Land for Settlements Act. The majority of tenants on settlement lands follow dairying, and with the guaranteed price for butterfat they are able to make up their budgets of income and expenditure with more certainty and to know where they stand. Those who follow wool-growing have experienced a drop in wool-prices, which will restrict them, to a certain extent, in the development of their farms. A number of lessees of settlement lands have taken advantage of the provisions of the Mortgagors and Lessees Rehabilitation Act, 1936, and out of the total number of applications for adjustment received—viz., 1,180—lessees on settlements contributed 350. The inspection work in connection with the applications is nearing completion, but it will be some months before the whole matter is completed.

NELSON.

(P. R. WILKINSON, Commissioner of Crown Lands.)

No new estates were purchased for settlement during the year, and my general report applies to settlers under this heading.

MARLBOROUGH.

(G. I. MARTIN, Commissioner of Crown Lands.)

No new estates were purchased during the past year in this district. With the exception of those on the older-established settlements the majority of settlers in this district have lodged applications under the Mortgagors and Lessees Rehabilitation Act, and these are being investigated by the special valuation committees set up for that purpose.

WESTLAND.

(B. KING, Commissioner of Crown Lands.)

There have been no purchases under the Land for Settlements Act during this or recent years. Generally, the more energetic settlers on these estates are making steady progress, and with the maintenance of prices for produce at their present levels no difficulty should be experienced by them in paying their way.

The settlers have experienced a favourable year for farming operations, and as a consequence have been able to meet charges in a satisfactory manner.

C.—1.

CANTERBURY.

(N. C. KENSINGTON, Commissioner of Crown Lands.)

No areas were purchased in the Canterbury District during the past year, and few are offering which can be purchased to advantage even as a means of increasing adjacent areas of settlement land which has been subdivided into what may be classed as uneconomic farms.

A large number of settlers are taking advantage of the Mortgagors and Lessees Rehabilitation Act and are having their positions reviewed, but the amalgamation of adjacent sections seems the only solution where the area is too limited to ensure a reasonable return.

The past year has been a good one for tenants on settlement lands, and with intermittent rain a flush of feed has resulted even on the light land of the plains, and a shortage of feed should not be experienced this winter.

OTAGO.

(F. H. WATERS, Commissioner of Crown Lands.)

No new estates were purchased during the year.

The land-for-settlements settlers generally have had a satisfactory season, particularly those in North Otago, where the climatic conditions have been more favourable than usual.

SOUTHLAND.

(T. CAGNEY, Commissioner of Crown Lands.)

No new estates were purchased during the period nor any opened for selection.

It is proposed to offer four sections in the lately purchased Lora Settlement for selection during the coming year.

The existing settlements were, in common with other lands, affected by the dry season, the worst effect of which, however, is presented in the outlook for stock feed during the coming winter.

The final adjustment of the subdivisions of the Campbell and Stalker Settlements in the direction of enlarging the areas held by the tenants thereon will be made shortly. This was made possible by one lessee in each settlement surrendering his holding.

APPENDIX III.—LAND-DRAINAGE AND LAND-DEVELOPMENT OPERATIONS.

(R. L. INNIS, Land Drainage Engineer and Superintendent of Land Development.)

In accordance with statutory requirements, separate reports deal with (1) Hauraki Plains, (2) Rangitaiki, and (3) swamp land drainage districts---viz., Kaitaia, Hikurangi, Waihi, and Poukawa drainage-works.

Land-development operations have been carried out on thirteen areas under the Small Farms Act, whilst development operations on the Galatea Estate, purchased under the Land for Settlements Act, have been steadily pushed forward. The number of development blocks has increased by three during the year, and proposals in detail have been prepared for commencing on two further blocksviz., Tokoroa, and Whirinaki, an area adjoining Ngakuru Block. The Tokoroa Block, in the vicinity of Putaruru, is situated in a bush-sick area, but it is confidently anticipated that the use of licks and prepared manures will overcome this trouble.

Two further completed farms were handed over to the Commissioner of Crown Lands, Auckland, during the year, and the following schedule shows the number of completed farms handed over in the respective blocks :--

Mangatete	 			 , ,	• •		5
Wharere	 			 			5
Tarawera	 			 		••	10
Murupara	 			 			12^{-12}
Broadlands	 			 		••	- 2
	 	• •	• •	 ••	• •	••	0

Dairying was carried out on all these farms under the control of the Commissioner of Crown Lands, whilst on another twelve farms milking was carried out on a wages basis.

The available returns of butterfat from the blocks for the year are :---

								lb.
Kaitaia								46,908
Mangatete	••							43,710
Wharere	• •	• •	• •		• •			29,118
Tarawera	• •							73,343
Murupara			• •	• •		••		58,389
Broadlands			• •	• •	• •			47,577
							_	

299,045

These returns show a considerable increase over last year's figures. This is especially noticeable on the Kaitaia Block, where, however, the sizes of the herds were increased. The highest return was from the farm occupied by A. T. Doidge at Tarawera, with 9,548 lb., whilst the next was that of R. W. Hogg, on the same block, with 8,635 lb.

The following schedule shows the stock on the blocks at the end of the year -

			Cows.	Dry Stock.	Heifers.	Calves.	Horses.	Sheep.	Bullocks
Kaitaja-									
Department			192	73	31	55	5		
Settlers			281	21	77	26	13	65	
Mangatete-									
Department			55	5	6	9			
Hoe-o-Tainui									
Department	•••		6	11	273	29	13	629	• •
Wharere									
Settlers	•••	• •	$172 \\ -27$	8	29	43	5		• •
Department	••		37	1	· •		5	502	364
Tarawera No. 1 Settlers			947	10	00		7.0		
Tarawera No. 2	•••	••	347	18	80	92	13		
Department			10	27	50			78	
Murupara-	••	• •	U.	21	50	4		10	• •
Settlers			450	12	62	97	12		
Broadlands-	•••	• •	0.01	12	02	1 .78	1 4		
Settlers			296	10	42	76	8		
Puriri			22 () ()			10			
Department				54			2	822	
Edgecumbe-							-		
Department	••		• •	3			4		
Grand total			1,846	243	650	431	80	2,096	364
Department t	total		294	174	360	97	29	2,031	364

4—C. 1.

The expenditure on stock to date has been £23,867, and the total returns for last year from all sources, excluding pigs, were as follows :—

								£
Butterfat	••				••	••		17,450
Fat cattle	••	• •	• •	• •	• •	••		,
Sheep and lambs	• •	• •	••	••	••	••	• •	1,853
Wool	••	••	••		••	••	• •	236
								25,294

At the close of the year the value of departmental stock on hand was $\pounds 10,970$, and in all cases the values are on a conservative basis.

Mangatete (1,270 acres).—The development of this block was completed during the year, and there are now on the block nine settlers, two of whom are still on a wages basis.

The following schedule shows the principal works carried out during the year, together with the totals to date :--

			During Year 1937–38.	Total to Date.
			Number.	Number.
Posts and stays			2,505	23,989
Strainers				836
Battens			3,400	10,669
Gates constructed			· · · · ·	195
Cow-sheds erected			1	9
Cottages erected	••		2	7
Pig-shelters erected	••		· · · · ·	14
			Square Feet.	Square Feet.
Timber felled and cro	sscut	••	•• ••	100,491
Timber milled	••	••	20,824	89,652
			Chains.	Chains.
Fences erected		· •	308	1,089
Fences repaired		• •	··· ··	181
-			Acres.	Acres.
Area top-dressed			200	680
Clearing fern and wiw	vi			235
Stumping and logging	g up	••	25	245

Puriri Block (1,400 acres).—The development of this block has been continued during the year. An average of twenty-three men have been employed. The felling of approximately 750 acres was completed, and the timber, posts, and strainers removed and stacked. The bush was fired on 3rd March and a very satisfactory burn ensued. The prolonged dry season has delayed the sowing of grass-seed, but this will be done at the first opportunity.

The following schedule shows the principal works effected to date on this block :----

							Number.
Posts and stays	••			• •			11,402
Strainers, rough			• •				1,252
Strainers, squared		••					1,212
Battens split	• •				• •		4,000
Puriri-trees felled							1,203
Sheds erected		••	• •				4
							Chains.
Fences erected	••	••	••	••	••	• •	196
							Acres.
Bush felled	• •	• •	• •				881
Grass sown				• •			112
$\mathbf{Stumping}$					• •		9
Ploughing					••		18
Turnips sown							12
1							Square Feet.
Timber crosscut						• •	71,638
Timber milled					• •		32,427

Kaitaia (1,000 acres).—The work on this area has consisted of the continuation of the works previously carried out and the extension of operations to portion of the adjoining peat lands. This country is very wet, and it has been found necessary to construct small surface drains to dry out the ground before sowing.

Thirty-three men were employed on the block for most of the year, the majority being employed on drainage-works.

The opening-up of the Waipapakauri Outlet should have a beneficial effect on this area, but this will not be completed for some time to come.

Minor floods only were experienced during the year, none being of a longer duration than thirty-six hours.

The milkers on this block are employed on wages, and have carried out the ordinary farm operations over the area. Owing to the very dry summer the growth has not been as heavy as last year, but although the quantity of hay saved is less the quality is excellent.

At the end of the year, owing to lack of rainfall, feed was becoming extremely short, and unless early rains are experienced it may be necessary to find outside grazing for the sheep and dry stock. During the year milking-machines were installed in some of the sheds to cope with the increased

herds. The following is a summary of the main works carried out during the year :---

					During Year 1937–38. Number.	Total to Date. Number,
Artesian bores s	ınk					Number. 28
			• •	• •	·· 1	
Concrete troughs		• •	• •	• •	·· · · ·	23
Culverts and bri	dges	• •	• •		$\ldots 54$	98
Houses	••	• •				11
Cow-sheds	• •	• •		• •	• • • •	11
Engine-sheds					6	6
Milking-machine	s installe	d			8	8
					Chains.	Chains.
Fences erected					318	1,508
Drains construct	ed				979	2,354
					(15,861 cubic	
					Acres.	Acres.
Area harrowed	• •		••		$\dots 144$	338
Area sown				• •	390	584
Harvested for ha	ьy			• •	56	• •

Hoe-o-Tainui Block (1,472 acres).—This block has now been subdivided into twelve farms. Development-work was commenced in October, 1935, and six prospective settlers have been in occupation of farm cottages since September, 1936. This year six additional dwellings have been erected and are now occupied.

Dairy herds of heifers were established on six farms during the season, and the butterfat produced reached a total of 19,937 lb.

In addition to the twelve prospective settlers, from six to twenty-five men have been employed on the block during the year on general development-work.

The following is a summary of the main works carried out during the year :--

					•	Chains.
Fences erected			• •			928
Drains constructed			• •	·		241
					(11,54	6 cubic yards.)
						Acres.
Cleared and cultivated		• •			••	66
Swamp cleared and burnt			• •			200
Top-dressing pasture						654
Hay cut	••		••			125
Water-mains laid						Ft. 40,904
						Number.
Troughs constructed						39
Cottages erected						6
Implement-sheds erected						12
Milking-sheds erected						5
Pig-houses erected	••	• •	•••		• •	17

Henderson's (700 acres).—From seventeen to twenty-two men have been engaged in this block during the year. The main works have been road-construction, drainage, and a considerable amount of development. Much work has been necessary to control the growth of ragwort and other noxious weeds.

An artesian bore with electrically operated pump was installed for a water-supply.

This block is to be taken over by the Superintendent of Land Development, Te Kuiti, at an early date.

Chains. 36
36
198
100
283
Number.
2
9
Acres.
133
94
200
20
116

Ċ.---1.

Blackshaw's (250 acres).—Four men were engaged from April to July in cleaning drains and erecting 116 chains of fence. From January to March, 1938, ten men were employed grubbing and burning gorse and blackberry on an area of approximately 70 acres of swamp.

Wharere (930 acres). Steady progress has been made with the development of this block during the year, and the gradual improvement effected by dewatering and stocking is becoming more apparent.

A flood-pump was installed for the northern area during the year, and all the main drains in the block of 400 acres which it serves deepened. The benefit from the lowered water-level on the pastures has been most satisfactory, and a continued improvement will take place as the previously water-logged land dries out and consolidates. The raising of the stop-banks to protect this area will be carried out as soon as a plant is available.

The work carried out has included the deepening and widening of drains, maintenance of drains, fencing, harrowing of pastures, top-dressing, and the incidental work in connection with farming operations.

The stock on the area have done particularly well, and some excellent drafts of bullocks of chilling weight have been disposed of during the year.

The returns from the five dairy-farms have been satisfactory, and a further farm will be ready for dairying next season.

Further stock purchases will be made for this area during the coming year.

Summary :					Ί	otal for Year. Chains.	Total to Date. Chaius.
New drains						16	1,827
	••	••	• •	• •	• •	10	(37,404 cubic yards)
Deepening drains						782	1,124
Widening drains			•••	••		302	356
Clearing drain-line					· •	36	1,358
Cleaning drains				• •	•	1,276	3,572
Road-formation		••	• •			,	301
	•• .		• •	• •	• •	$\frac{1}{764}$	
Fences	••	••		•		Acres.	4,437 Acres.
Clearing scrub						9	747
		• •	• •	· ·	• •	-	738
Grassing	• •	• •	• •	• •			
Stumping	• •	• •	• •	• •		27	223
Grass-harrowing			• •	• •	· ·	304	390
Ploughing and cul	tivation	• •	• •	• •	• ·	17	105
Disking for grass	••	••		4.4	• •	• •	35
$\operatorname{Top-dressing}$	• •					678	1,967
Sowing swedes						18	18
						Number.	Number.
Erection of flood-	pump	••		<i>.</i> .		1	1
Store-sheds	••			• •			13
Bridges, permaner	\mathbf{t}					10	49
Culverts	·					7	23
Cottages							7
Cow-sheds							. 8
Farms equipped							7

Tarawera No. 1 (900 acres).—Except for an area of 134 acres, and as reported last year, the development of this block was completed and ten fully equipped farms were handed over to the Commissioner of Crown Lands. The remaining 134 acres, together with buildings and farm implements, has been transferred to Tarawera No. 2 Block.

Tarawera No. 2 Block.—When development-work was commenced on this block in July, 1937, a gang was employed in preliminary clearing operations. The unsettled grass area on Tarawera No. 1 Block, together with stock and equipment, was transferred to No. 2 Block, and a cottage was erected on this area.

Together with the clearing operations, the work of draining the swamp was put in hand, and drains to a total length of 212 chains constructed. These have effected the almost complete unwatering of the swamp, converting it into a very considerable asset to the block as a whole.

The grassed area of 90 acres, formerly part of Tarawera No. 1, was top-dressed in August, 1937, and again in February of this year. This area is showing an excellent growth of pasture, and stock on it are doing very well.

Throughout the year the work of clearing was carried out as opportunity offered, and in February firebreaks were constructed along the boundary of the block preparatory to burning operations, which were carried out in March. The burn, which, including the swamp, extended over an area of about 600 acres, was quite satisfactory, and to the end of the current year approximately 300 acres of the area have been sown in grass, some of which is already sufficiently advanced to give an indication of a very good take. At the earliest possible opportunity the work of top-dressing this area will be undertaken, and it is hoped that the new pasture will be well established before the winter.

Following is a summary of the work carried out since the commencement of operations on this block :---- Chains.

									Unamp.
Fencing									180
0		• •			• •	· •	• •	• •	212
Road-formati	on				• •	••			125
									Acres.
Cleared and k	ournt								600
Grassing	••	••	• •	••		••			390
Top-dressed	••	••	••	• •				• •	180
									Number.
Huts erected		•••							1
Cottages erec		••	••	••	••	••	••	• •	1
Horse-sheds	••	••	• •	••	••		••		1
Garages		••	• •	• •	••	•••	•••	•••	1

Murupara (1,470 acres).—One section is still being farmed by this Department, bullocks and dry stock being grazed. This area is the lightest on the block, and further consolidation and stocking is required before it will be suitable for settlement.

 \dot{B} roadlands (1,000 acres).—The remaining area on this block was included in the previously settled farms, and the Department's stock disposed of.

Edgecumbe Block.—When development-work on this block was commenced in November, 1937, a camp consisting of eleven huts was established. In April, 1936, an area of 16 acres was laid down in grass as an experiment, and this has become so well established that during the recent dry spell the pasture maintained a good and steady growth. From time to time stock from Tarawera No. 2 Block have been grazed on this area.

Following the establishment of the camp, work was commenced clearing an area of approximately 115 acres of flat land adjoining the Tarawera River at the north-eastern corner of the block. Good progress was made with this work, and during March the final cultivation, sowing, and manuring of this area was completed.

During January a tractor was transferred from Galatea, and the store-shed from Tarawera. With a view to the further development of the block, an investigation of a probable water-supply was made. Tests taken during dry weather showed a flow of 115,000 gallons per day, which should be ample for the development needs.

In connection with the proposed access by way of a road through Native land on the eastern side of the Tarawera River, and a new bridge, an inspection of the route was made in conjunction with an officer of the Public Works Department. Clearing along the line of the road is being undertaken by the Native Department, and on completion of the necessary formalities it should be possible to proceed with formation work in the near future.

Following is a summary of the main works undertaken up to the 31st March, 1938 :---

Fencing	• •		• •				Chains. 96 Acres.
Clearing			••		•••		$\begin{array}{c} \dots & 125\\ \dots & 129 \end{array}$
Cultivating and gr Huts erected		••	••	••	••	••	Number.
Store-shed	• •	•••	••	• •	•••	•••	11
Bathroom	••	• •	• •	• •	• •	• •	I

Orini Block (167 acres).—This block comprises an area of heavy swamp land on the Rangitaiki Plains. In November a camp was established and a commencement made immediately with the construction of new drains and the improvement of existing drains in the area, sufficient fences being erected to permit of grazing the area.

Although the area is somewhat low-lying and subject to flood, it is anticipated that in the coming year sufficient permanent pasture and rough feed, mainly paspalum, will be established to make the area of considerable value for grazing stock from the Tarawera and Edgecumbe Blocks. It will later be used for topping off bullocks from these areas.

The following is a summary of work carried out to date :---

						Number.
Huts erected	 	• •		• •		8
						Chains.
Drains excavated	 • •	••			• •	141
Drains cleaned	 		• •			$\dots 38$
Fences erected	 • •					30
Drain-lines cleared	 • •	• •	• •			24

Galatea Estate.—The following is a summary of the work carried out on the Galatea Estate by this branch for the year ending 31st March, 1938 :—

Clearing: During the period under review areas totalling 458 acres were cleared in preparation for cultivation and the laying-down of crops and pasture.

Fencing: 2,396 chains of fencing have been erected. These fences include section and road boundaries, subdivisional fences, and fences for the purpose of controlling pastures and croppingareas. Posts have been obtained from the Crown bush at Te Whaiti, where a gang has been employed continuously throughout the year. C.—1.

Buildings: New work during the year included the erection of nineteen huts, one garage, and two bathrooms. The existing buildings were kept in a state of good repair, the essential renovations being made as the necessity arose.

Water-supply: The water-supply scheme functioned well throughout the year except for a short period, when excessive use depleted the supply. It is considered that the scheme can be rendered fully effective by duplication of the lead to the reservoir, and it is proposed to put this work in hand as soon as the necessary materials are available. Additional connections to the supply were made during the year, and five new troughs installed. With a view to obtaining a temporary supply for the northern portion of the estate, a dam was made at the spring near Haumea Road to observe the flow of water. Supplies from this spring, and a stream near the north boundary, will also be obtainable when the necessary materials are available.

Ploughing and Cultivation : Ploughing for the sowing of crops and pasture was carried out over an area of 1,732 acres during the year. Of this, an area of 996 acres was sown in swedes, 60 acres in oats, and the remainder in grass. Cultivation was carried out over an area of 2,855 acres.

Top-dressing: Areas totalling 11,252 acres were top-dressed during the year.

Plantations: All plantations on the estate have made satisfactory growth during the year.

Draining: The main drains were maintained during the year, this work necessitating the cleaning of 1,277 chains of drains. New drains of a total length of 126 chains were constructed during the year. Sowing: In the past twelve months an area of 996 acres was sown in swedes, 60 acres in oats, and 1,614 acres in grass.

Smithy and Workshop: A blacksmith and mechanic were employed throughout the year to carry out the necessary repair and overhaul of implements and general plant, and to attend to the shoeing of horses.

Harvesting: 60 acres of oats and 140 acres of hay were harvested during the year.

The following is a summary of the main work carried out for the period under review :----

U	•				
					Acres.
Clearing	••	· •	 	 	 458
Ploughing			 · · ·	 	 1,732
Cultivation			 	 	 2,855
Top-dressing			 	 	 11,252
Sowing grass				 	 1,614
Sowing swedes				 	 996
Sowing oats				 	 60
Harvesting-					
Oats			 		 60
Hay			 	 	 130
	•				Chains.
Fencing	••		 	 	 2,396
Drains—					
Clearing			 	 	 1,277
New			 • •	 	 126
New buildings—					Number.
Huts			 	 	 19
Bathrooms			 	 	 2
Garage			 	 	 1
8-					

Wharekohe Block.—The installation of the water-supply scheme for this block was completed early in the year, but at the date of this report several defects have developed. These are being attended to immediately.

Summary of Work done.

	Miles.	Ch.			Number.
Drains cleaned	340	6	Milking-sheds erected		6
Drains widened and deepened	. 64	48	Huts, sheds, and pig-shelters crected		80
Drains constructed (new)	35	71		Cub	ic Yards.
River channels and canals maintained	28	20	Spoil excavated by machines	· .	416, 112
Roads formed	$\dots 2$	65			Acres.
Roads metalled		13	Area cleared		2,548
Fences erected		15	Area stumped		81
Stop-banks repaired	. 0	18	Area ploughed		1,844
Boulder groyne erected	. 0	20	Area grassed		2,635
			Area top-dressed and limed		13,080
	Num	iber.	Area disked and harrowed		448
Floodgates, culverts, and bridges const	ructed	85	Area cultivated		3,267
Cottages erected		11	Area cropped	• •	1,249

Office.—The expenditure recorded totalled $\pounds 249,785$ 2s. 6d., and of this amount $\pounds 74,316$ 2s. 4d. was paid through the Thames and Whakatane Imprest Accounts. Vouchers numbering 6,758 were prepared and passed for payment. The revenue collected, including drainage rates, amounted to $\pounds 35,297$ 6s. 9d.

Drainage Rates.—Drainage rates levied on the various areas totalled £9,479 9s. 6d., entailing 1,079 rate notices. Rates collected amounted to £13,808 5s. 9d. The drainage rates for the Rangitaiki district were not struck during the financial year.

APPENDIX IV.--EXTRACTS FROM REPORT ON SMALL-FARMS SCHEME.

(A. B. JORDAN, Superintendent of Land Development, Te Kuiti.)

The work of the branch has again considerably increased in all directions. The number of blocks on which work is actually being proceeded with has risen from forty to forty-nine, and the total area under development or being considered has increased to 45,776 acres.

The total area of new grass has increased from 3,872 acres to 7,278 acres, of which 5,052 acres have been sown on cultivated ground and 2,226 acres have been surface sown. In addition, some 7,060 acres of old pasture have been grazed and the weeds controlled, and the greater portion of it may be recovered by top-dressing and fencing.

During the year all of the blocks which were formerly administered in conjunction with the Public Works Department have been taken over by this branch except three in this district and those in the Raetihi-Ohakune area.

It is desired to place on record appreciation of the valuable work which has been carried out by the Public Works Department in the past, and to express thanks to the Engineers and their staffs for their courtesy and help, without which the work could not have reached the stage in which it is now.

The whole of the accounts have been taken over from the Commissioners of Crown Lands, Auckland, New Plymouth, and Wellington. It has been found necessary to establish a stores branch to purchase and keep the records of the huge supplies which are necessary. This has been done to the complete satisfaction of the Audit Department, although the system was only instituted at the 1st November, 1937, and was required to include previous transactions. In the last quarter of the year purchases, excluding live-stock, amounted to $\pounds6,706$ 12s. 7d.

A central store is being erected, and it is intended to purchase certain requirements in bulk and issue them from the store. This will reduce handling charges and will enable quick deliveries of necessities to be made.

A costing system has also been instituted and has already proved its value in connection with the satisfactory preparation of the trading accounts and balance-sheets. The information which this system will produce will be valuable in the future for purposes of estimates, and will show quickly any abnormal movements in the farming operations of the individual blocks or settlers and will also indicate the efficiency of the work on any block which is brought under its operations.

At 31st March the development-work employed some 340 men. This necessitated the setting-up of a special pay branch for the payment of wages twice monthly, in addition to the keeping of records of pay, service, and holidays of each man. One hundred and twenty men formerly on sustenance were employed through the Placement Service at Auckland, Wellington, Hamilton, and Taumarunui, and fifty through the Certifying Officers at Te Kuiti, Otorohanga, and Te Awamutu, while 204 already employed were taken over by this branch during the year.

The above activities have necessitated a large increase in the staff, and it is very satisfactory to report that the work has been well carried out; the stores and costing systems are completely new, and this has necessitated a very large amount of foundation work, while the taking-over of accounts has also required much detailed inquiry and adjustments to bring them up to date and effect reconciliations to the requirements of this branch. It was found necessary to analyse all expenditure made by the district offices prior to 31st March, 1937.

The total live-stock on the blocks (thirty-seven) at 31st March, 1938, was :--

						Number.
Sheep		••	 • •	• •	 	47,229
Dairy cattle					 • •	1,130
Run cattle	• •				 	2,385
Horses				••	 	187
Pigs	• •		 		 	245

Trading accounts will be presented in connection with sixty separate accounts, and the following summarizes the position :—

Price of land—		£ s.	d.		
Freehold		36,804 10	3		
Improvements purchased at valuation		12,773 9	8	£ s.	d.
				49,577 19) 11
Development-costs chargeable				450,210 5	5 9
Standard valuation of live-stock on hand				-70,142 14	E 0 -
Interest at 5 per cent. on expenditure to date				23,776 19) 4
Gross returns from live-stock, produce, &c.	••			108,364 17	73

The position as shown in the live-stock trading operations is very considerably affected by the fact that standard values have been used, instead of the "reasonable market value" in last year's report—*e.g.*, wethers which cost approximately $\pounds 1$ 10s. have been taken in at $\pounds 1$.

This position will continue until such time as the live-stock requirements are bred. The expenditure on live-stock in 1937 was £40,167 10s. 10d., and in 1938 £71,173 15s. 3d.

32

The revenue for this year is $\pounds 53,922$ 11s. 5d., as against $\pounds 27,490$ 11s. for the previous year, and is made up as under :— 1936-37. 1937 38.

e up as une	ier :—				1936-37.	1937 - 38.
					£ s. d.	£ s. d.
Butterfat				 	4,439 5 4	6,323 2 1
Fat sheep				 	11,800 12 0	00 10° 0 0
Store shee	р		• •	 	1,640 8 9	29,425 2 6
Weel				 	4,823 0 10	8,302 16 0
Cattle				 	4,152 0 3	8,144 17 0
Pigs				 	525 7 0	$698 \ 14 \ 9$
Sundries	• •	• •		 	$109 \ 16 \ 10$	1,027 19 1
					£27,490 11 0	£53,922 11 5

	TOUR W		npielea on	ino ±ni	rog-scocn	Diocha,		Chains.
Fencing	••	••	• •	• •	••	• •	· •	20,917
Shelter-belts	···	••	••	••	• •	• •	• •	875
Roads (internal			• •	••	• •	• •	••	944
Roads formed,	not metalle	a	• •	••	• •	• •	••	655
Drains	••	••	••	• •	••	••		3,790
Stumping, clear	ing and h	irning						$rac{\Lambda ext{cres.}}{7,181}$
Bush and scrub		unng 	••	••	••	••		1,101 1,549
Ploughing and o			••	•••	• •	••	• •	6,532
Sown in grass			••	••	••		• •	7,278
Sown in crops		• •	• •	••	••	• •	• •	
Top-dressed	• •	••	••		••	••	• •	$1,000 \\ 7,278$
rop-alessea	•••	••	••	••	•••	• •	• •	1,410
								Number
Water-supplies		• •		• •	••			30
Houses, new an	d repaired							85
Cow-sheds					••			45
Store-sheds				• •		• •		4 8
Cattle-yards		• •	• •	••	• •			8
Sheep-yards		••			• •	••		22
Dips				• •				3
Posts split			• •	• •				-199,400
Strainers split				••	• •			9,840
Battens			• •	• •				-977,400
e population of th		nd peoj	ple depende	ent on t	hem for l	ivelihood	is as t	follows :-
Prospective sett			••	• •		• •	•	. 86
Married men res			• •	• •	• •	• •	•	. 30
Single men [*] resid			• •	• •	••	••	•	
Married men no	0	••	••	• •	• •	• •	•	. 102
Single men not				••	••	• •		. 20
Women and chi				• •	••	••	•	. 377
*Women and chi	laren not r	esiding	; on blocks	• •	••	••	•	. 306
								1,252
gures for the original	rinal four	main	blooks Pi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Vartumoh	ino Loo'	a 0.117	

Total Work completed on the Thirty-seven Blocks.

Figures for the original four main blocks-Pururu, Ngatamahine, Lee's, and Mairoa-for the years ending 31st March, 1935, and 31st March, 1938, are given hereunder for comparison :--

Sales.						1934-35.	1937–38,
Butterfat						1.617	$\overset{\mathfrak{L}}{4,770}$
Fat lambs		••	••			941	392
Fat sheep	• •					181	2,880
Store sheep				• •	• •	550	189
Wool	• •	• •	• •	• •	• •	286	1,841
Dairy cattle Run cattle	• •	• •		• •	••	$\begin{array}{ccc} & 382 \\ & 185 \end{array}$	309 1,844
Pigs	• •	••			•••		474
1 18 ¹³ • •	••	••	••	••	••	04	

The reduction shown in sales of fat lambs is due to the fact that the number of Southdown-cross lambs bred has been considerably reduced. It is intended in the future to restrict this branch of farming to the more intensely farmed sections, where the conditions are most favourable. Of the total lambs bred (13,771) there were this year 10,861 Romney-cross lambs. In regard to store sheep, it was not necessary this year to cull so heavily. The returns for

In regard to store sheep, it was not necessary this year to cull so heavily. The returns for butterfat and pigs have increased approximately eight times, and fat cattle sold shows a satisfactory increase both in price and quality.

Wool Returns (Four Main Blocks).

				1934 - 35.	1937-38.
Number of bales		• ·		48	138
Weight of wool (lb.)				17.717	$52 \cdot 643$
Value of wool			• •	£285–15s. 2d.	£1,840 18s. 10d.
Price per pound (average)	• •			3·87d.	8•39d.
Price per bale (average)				£5–19s. 1d.	£13 6s. 10d.

Live-stock carried (Four Main Blocks).

					1935 - 36.	1937 - 38.
Sheep	• •	• •		 	2,800	11,833
Dairy cattle				 		758
Run cattle	• •		• •	 ••	233	530

Main Improvements effected on Four Main Blocks.

]	1935-36.	1937 - 38.
Fencing (chains)			 		6,469	8,074
Drains (chains)			 		540	2,070
Ploughing and culti	vating (a	acres)	 		999	1,926
Permanent pasture			 		1,024	2,529

The breeding of sheep and cattle, which was commenced last year with the intention of supplying the replacements and requirements of the scheme, has been satisfactory, and the average lambing percentage over the whole of the scheme was approximately 99 per cent., and some 360 Polled Angus calves have been reared. It is a matter of satisfaction that the class of stock bred and farmed has again been the subject of favourable comment. One sale of 144 fat bullocks was made at a very satisfactory figure, and competent judges considered that the cattle were the best as to class and finish that had been seen for many years.

The dairy herds have shown satisfactory returns. Five herds totalling 420 cows were tested, and the returns to date show an average of approximately 250 lb. per cow.

Unfortunately, the eczema complaints affected the herds, which also suffered in production from the dry season.

It has been found advisable to pay more attention to the dairying operations, and for the past year one officer has been specializing in this branch and is also controlling the pig-breeding and marketing operations, which have shown a very satisfactory increase.

The sheep-breeding experiments at Mairoa and Arohena have again been successful, and included in the flocks will be some ewes bred on these schemes. The Arohena district has benefited very considerably by the operations of the scheme, as there has been practically complete ragwort control on those sections being farmed by the branch. Other sections will come in during the year, and this will enable practically the whole of the ragwort in the district to be controlled, provided, of course, that the necessary stock can be obtained when required.

In common with the farming community, the operations of the branch have suffered considerably by the effects of the abnormal summer conditions. Facial eczema, jaundice, and pneumonia have caused considerable losses by death, and although, in comparison with others, the actual losses have been light, yet there will be an adverse effect on the lambing and fattening during the coming season that cannot be estimated. Deaths amongst the lambs will considerably reduce the number which it was considered would be available for inclusion in the flocks.

The swede crops have also proved a failure, in spite of the fact that some were sown twice and every precaution taken. This reduction in the amount of winter feed available will considerably reduce the anticipated winter carrying-capacity. Fortunately, there are good supplies of hay, a portion of which is being pressed so as to enable it to be transferred, but it is anticipated that further supplies will be required.

The usual high standard of work has been maintained, and the large extension of work has fully taxed the capacity of the outside staff, and it is more evident than ever that the policy of close supervision is justified and essential.

In connection with the employment and accommodation of increasing numbers of men, it was found that expenditure on tents was a heavy one. On investigation it was found that a satisfactory hut of 16 ft. by 10 ft. fitted up for two men could be made at a very reasonable cost, and although the initial outlay was greater than for tents this is very soon offset by the reduced replacement charges and the fact that the wooden hut can very easily be converted into a store-shed when necessary. A special branch was set up, and men have been trained and can undertake repairs to buildings as well as make all the store-sheds, huts, bathrooms, &e., necessary—118 huts were completed, together with bathrooms, &c., at 31st March last.

In conclusion, it is again satisfactory to record that there has been little sickness or dissatisfaction amongst the 1,250 men, women, and children who depend on the schemes for their livelihood.

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APPENDIX V.-SMALL-FARMS SCHEME, HAWKE'S BAY.

AHURIRI LAGOON DEVELOPMENT.

(F. R. BURNLEY, Commissioner of Crown Lands.)

On the southern portion of the lagoon the sowing of permanent and temporary pastures was completed in April, 1937. A good strike was obtained, and at the present time the permanent areas show every indication of being first-class pastures. Owing to the rise of salt over the dry period, some of the temporary areas have thinned out to salt patches. The surface sowing with clovers over 400 acres of rough area gave fair results, and at present is giving good "off grazing." A further 120 acres was sown in temporary mixture during early spring.

Twenty-four acres of barley and oats were fed off during winter, then 12 acres of oats were ploughed in and lucerne sown in spring. Twelve acres of barley were harvested for seed.

An area of 60 acres was sown in various crops for experimental purposes. A series of fertilizer top-dressing trials was carried out, giving marked results; and seasonal top-dressing over the permanent and temporary grass areas is being done. Experimental work is being done on portion of the recently dewatered bare areas.

This year a further 150 acres of land has been sown in barley for winter feed, and this, with a further 50 acres now being ploughed, will be sown in temporary pasture in the spring. A further 12 acres of lucerne has been sown. In the spring, maize, barley, oats, and white-clover areas will be sown for seed these giving the best results from last season's experimental cropping trials.

Further desalting drains have been dug on the southern area, and rapid progress is being made with the drainage system on the northern portions of the lagoon. Subdivisional fencing is completed for the time being on the southern end, and a start made on the northern end, while the ring-fencing of the whole area is almost completed.

New roads have been constructed, with cattle-stops at the main entrances; and an implementshed and sheep yards and dip, cattle-yards, wool-shed, overseer's cottage, and shepherd's cottage have been constructed.

The stock came through the winter and summer in good condition. A lambing of approximately 90 per cent., and a wool-clip of $7\frac{1}{2}$ lb. per sheep, was obtained. At the 31st March, 1938, the following stock was depastured on the lagoon :—

Breeding of	ewes								2,972
Wethers			••				• •		1,818
Lambs		· •		• •			• •	• •	649
Rams	••	• •	• •	• •	• •	• •	• •	• •	74
Cattle	••	• •	• •	••	• •	• •			200
Horses	• •	• •	• •	• •	• •	• •	• •		2

APPENDIX VI.—SMALL-FARMS SCHEME, NELSON.

PAKIHI DEVELOPMENT, SERGEANT'S HILL, WESTPORT.

(By SIR THEODORE RIGG, K.B.E., Director of the Cawthron Institute.)

During the past year notable progress has been made in the development of pakihi lands at Sergeant's Hill. During the year sowings of grass and clover were completed on the original area of 800 acres comprising the Buller Domain, Archer's, McLellan's, and Mikkelson's Blocks. In addition, a great extension of the developmental-work was authorized on the north side of the main Fairdown Road. The extension of the developmental scheme on the northern side of the Fairdown Road covers Hateley's Block (260 acres), Kelpe's Block (70 acres), and Morris's Block (300 acres). The blocks included in the extension comprise a large proportion of suitable pakihi land, with favourable surface features from the point of view of drainage, establishment of shelter, and location of buildings. In addition, the new areas include certain sandy flats which should be very satisfactory for winter grazing. Good progress has been made in connection with the development of these new areas. Drainage has been completed both on Hateley's and Kelpe's areas, and a start has likewise been made with the systematic drainage of Morris's Block. About 240 acres of typical pakihi land on Hateley's and Kelpe's areas have been sown to grass and clover during the present autumn.

The past season has been excellent for pasture growth, and both autumn and spring sowings of grass and clover have done extremely well. On the older pastures difficulty has been experienced in keeping growth in check, and during the late summer *Lotus major* tended to take charge. The hay crop, covering 55 acres, was outstanding, and yields as high as $2\frac{1}{2}$ tons to 3 tons of hay per acre were harvested from well-established pastures. In all, over 60 tons of hay and 50 tons of ensilage have been put into stack, thereby making ample provision for winter feed on the different areas.

On the whole, the stock grazing the established areas has done very well. Yearling and two-yearold cattle have made excellent gains in live weight and have not been troubled by any ailment. Calves, however, have not done as well as was anticipated, and a considerable number of deaths occurred during the spring and early summer. The available evidence suggests that the most important factor in connection with the mortality of the calves has been cobalt deficiency. Great benefit has already resulted from the use of cobalt drenches and cobalt salt licks. It seems possible, however, that other trace elements, possibly copper, are deficient on some of the pakihi blocks, and optimum health will not be obtained until the full requirements of the calves in all trace elements have been met.

Buller Domain Area.—The 25 acre block laid down by the Cawthron Institute six years ago has given excellent pasture growth during the past season. For the most part, where drainage is satisfactory, there is a good mixture of *Lotus*, white clover, rye, and other grasses in the sward. The hay crops on these old-established pastures were very heavy, averaging $2\frac{1}{2}$ tons to 3 tons of hay per acre. Consolidation on this area has revealed the necessity for further supplementary drains on the flattish areas with a peaty topsoil.

The more recent sowings of March, 1936, on the Buller Domain have come on very well, and during the past year a great improvement was noticeable in the density of the sward and in the dryness of the soil. On the ridges and slopes, where drainage is good, a very satisfactory sole of white clover has been established. *Lotus major*, during the latter part of the season, has dominated on many parts of the Buller Domain, and the number of stock proved inadequate to control this growth.

Archer's Block.—The sowings of March, 1937, have done extremely well during the past summer, and have afforded a great deal of feed for stock during the latter part of the season. The spring sowings of the previous year have been particularly good, enabling the stock to be grazed frequently on this portion of the block. The hay crop on Archer's Block was a very heavy one, and on one field the yield was approximately 3 tons of hay per acre.

McLellan's Block. The whole of this block, comprising over 130 acres, was sown in March, 1937, and an excellent take of both clovers and grasses was secured. The pasture, both on the terrace lands and on the peaty flats, promises exceedingly well, and should give a large amount of feed during the autumn and early winter.

Mikkelson's Block.—An area of 100 acres was sown in April, 1937, the balance (115 acres) being sown in the following spring. In both cases a very satisfactory strike of grasses and clover was obtained, and good grazing should be available for late autumn and early winter. Mikkelson's Block has a very considerable area of shallow peat, and is not likely to give such a promising result as other parts of the developmental scheme.

Hateley's Block.—This area, comprising 260 acres, was taken in hand during the spring of 1937, when a start was made with drainage. A great deal of work has been involved in securing satisfactory drainage of the sandy flats, owing to the amount of water brought down by streams from the upper pakihi terrace. Much of the drainage-work has now been completed, and the water-table on the sandy flats has been lowered at least 3 ft. Some 180 acres of pakihi terrace has likewise been drained and treated with lime and superphosphate, and then sown to grass and clover. Much of the pakihi terrace has a loamy soil which should give an excellent sward on consolidation.

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Kelpe's Block.—This block, comprising 70 acres of pakihi terrace and sandy flat, has been treated on somewhat similar lines to Hateley's Block. Approximately 40 acres of pakihi terrace have been drained, treated with lime and superphosphate, and then sown to grass and clover.

Morris's Block. --This area, comprising 300 acres, was taken over during the late summer. A start has been made with drainage and cleaning of the sandy flats, but most of the work in connection with the development of this block must stand over until the winter and coming spring.

First Farm Unit.—Arrangements have been made for the establishment in the coming spring of the first farm unit on the Buller Domain. Forty heifers have been set aside as the milking-herd, and are now grazing the fields selected for the farm unit. Plans have been drawn up for the living-house, cow-bails, dairy-shed, &c., in connection with the establishment of this farm unit. The conduct of this dairy-farm should enable the potentialities of pakihi pastures to be thoroughly tested, and management problems associated with high rainfall and long winters on pakihi lands to be carefully studied.

Flax Experiments.—In view of the striking difference of flax growth on the manurial plot established by the Cawthron Institute, it has been deemed advisable to extend these trials, using a special strain of Ngaro made available through the co-operation of Dr. Yates, of Massey College. It is considered that the conduct of these fertilizer trials with *Phormium tenax* will throw much light on the nutrition of flax, both from the point of view of yield and quality of fibre.

Shelter-trees.—Further evidence has been obtained of the great importance of phosphates in the growth of trees and shelter-plants on pakihi land. The present system of selecting dry situations where shelter of tea-tree is available, and planting pines and gums after manurial treatment of the land, has given excellent results. Good growth of all trees and flax planted in this way was made during the past season, and it is anticipated that good shelter will be available in a few years.

General.—The successful establishment of pasture over such a large area (800 acres) reflects great credit on the resident supervisor, Mr. C. Lemon. The drainage-work, construction of dams, and the uniform distribution of lime, fertilizer, and seed has been very carefully watched, and the results so far are distinctly promising. Experience on the Cawthron Institute plots indicates that new drainage problems will be encountered as consolidation of the peaty types of pakihi land proceeds.

Pakihi lands with a clay loam or silt loam subsoil do not present the difficult drainage problems of the peaty type. The results so far obtained on the Buller Domain show that consolidation of the land is obtained more quickly on the former types, enabling a much better sward to be established. For these reasons, it is strongly recommended in any further development of pakihi land that the peaty types be avoided.

Experience with stock on established pastures has shown great benefit from cobalt drenches and cobalt salt - bonemeal licks. In the case of calves suffering from ailment of the bush-sickness type, two drenches of cobalt-chloride solution per week supplying a total of 36 mg. cobalt (Co) weekly have given immediate benefit. For all stock on pakihi pastures a lick containing one part Nelson soil, one part dairy salt, and one part bonemeal, to which cobalt chloride has been added at the rate of 16 oz. per ton, is recommended. Licks made according to this formula have been used with success during the past season and are greatly relished by stock.

				,				
District.		Total Area sold or granted and held on Freehold.	Total Area reserved for Public Purposes,	Total Area of Crown Lands leased under all Tenurcs (exclusive of Reserves leased by Crown).	Total Area of Crown Lands available for Huture Disposal.	Total Area of Native Land.	Land unfit for Settlement (including Area occupied by Rivers, Lakes, Roads, &c.).	Total Area in Land District.
North Auckland Auckland Gisborne Hawke's Bay Taranaki Wellington* Nelson Marlborough Westland Canterbury Otago Southland	··· ··· ··· ··· ···	$\begin{array}{c} \text{Acres.}\\ 2,633,421\\ 2,793,226\\ 1,148,528\\ 1,574,458\\ 1,124,620\\ 3,543,280\\ 665,264\\ 791,389\\ 171,634\\ 3,566,785\\ 1,988,899\\ 1,861,657\\ \end{array}$	$\begin{array}{c} A cros, \\ 448,884 \\ 1,244,735 \\ 486,631 \\ 202,728 \\ 346,088 \\ 1,073,186 \\ 2,395,409 \\ 352,023 \\ 2,175,471 \\ 1,573,424 \\ 956,480 \\ 4,548,501 \end{array}$	$\begin{array}{c} \text{Acres.}\\ 512,991\\ 844,353\\ 509,340\\ 519,643\\ 610,063\\ 782,456\\ 751,951\\ 1,502,911\\ 647,983\\ 3,872,882\\ 5,409,393\\ 1,373,489 \end{array}$	$\begin{array}{c} \text{Acros.} \\ 149,700 \\ 533,690 \\ 75,127 \\ 41,410 \\ 85,466 \\ 126,397 \\ 96,055 \\ 13,358 \\ 399,179 \\ 11,562 \\ 54,416 \\ 43,052 \end{array}$	Acres. 515,776 1,634,634 1,041,997 371,256 165,711 786,024 30,051 	$\begin{array}{c} \text{Acres.}\\ 217,428\\ 1,169,935\\ 254,303\\ 208,391\\ 72,483\\ 739,726\\ 776,270\\ 108,319\\ 469,111\\ 453,777\\ 612,089\\ 129,327\\ \end{array}$	$\begin{array}{c} \text{Acros.}\\ 4,478,200\\ 8,220,573\\ 3,515,926\\ 2,917,886\\ 2,404,431\\ 7,051,069\\ 4,715,000\\ 2,768,000\\ 3,863,378\\ 9,478,430\\ 9,021,277\\ 7,956,026 \end{array}$
Totals	•••	21,863,161	15,803,560	17,337,455	1,629,412	4,545,449	5,211,159	66,390,196

Table 1.—Return showing (Approximately) Position of Lands in the Dominion at 31st March, 1938.

* Includes Chatham Islands.

	ł					T Trofort								Pasto	ral License		ng District			1.1				1
Land	Land District.			('ash.		Dererred Payments.	ed ats.	.Renewable Lease.	ole Lease.	Small Gi	Grazing-runs.		Pastoral Runs.	un Mur bun Re	in Mining Districts under Special Regulations.		Land Öccupation Leases.		Miscellaneous Leases, &c.	Enc.	Endowments.	÷	Totals.	
	-			No. A	Area.	No. 4	Агеа.	No.	Area.	No.	Area.	No.	Area.	N0.	Area.	No.	Area.	No.	Area.	N0.	Area.	No.	Area.	i
					Acres.		Acres.		Acres.		Acres.		Acres.		Acres.		Acres				Acres.		Acres.	
North Auckland Auckland	•	:	:		- 564 - 138	20 20 20	976 2 783	31 40	5,017 11 897	:	:	•	:	:	:	:		73 56	6 I,683	2 I Z	1,058 156	179	266°82	
Gisborne	: :	: :	: :	, G	80 80		29	à :		: -	3.276	· · ·	: :	: :	: :		:		•			5	5,041	
Hawke's Bay	:	:	:	।	1.930	:	:	9	3,065	:	:	:	:	:	:	:	:	::		× ·		$\frac{25}{25}$	12,185	
Taranaki Walimeten	:	:	:	5 S	<u> </u>	יי קיי	410	<u> </u> _ c	5,957 242	:	:	•	:	:	:	:	:	⊊ ;	5 32 10 411		883 110	* <u>5</u>	7.295	
Nelson	: :	: :	: :	- - - -	: 0	- 1	0±0 55	4 00	2.783 2.783	: :	: :	: :	: :	ः ^{с।}	497	: :	: :	5 19		:		64	7.383	
Marlborough	:		:		-	e n I	0 1) ====	515	: :	: :	: :	: :	:			: :					61	1,881	
Westland	:	•	:	17 0	רי ביורי	10-1	15		505	:	:	:	1	10	4.569		ũ	3 105 22		0 0 0	Ι,	140 150	12.341	
Canteroury	:	:	:	<u>.</u> 1	e é	e	860 	<u>ء</u> ہ	1 606	:	:	9 -	104.47	:	:	;	:		5 9,080 5 4,088		917	81 10 10	012.02	~
Southland	: :	: :	: :	2 10 2	13	: ^ı	397	4	1,090	: :	::	+	5.500	: : 	::		101	19 - 37			·.	88	15,686	
Totals	:	:	:	152 3	3,594	109	5,572	139	32,851	1	3,276	11	102,312	2	5,066	9		127 534	4 67,389	9 103	12,038	1,072	232, 225	
								T able	Table 3LANDS	1	HELD ON	LEASE	AT 31ST	MARCH,	н, 1938.									57
Land District.	Deferred Payments.		ease in F	Lease in Perpetuity.		Renewable Lcase.		Occupation with Right of Purchase	·· · · ·	Small Graz runs.	trazing- P.	Pastoral Runs		Pastoral Licenses in Mining Districts.	Mining Districts Land ts. Occupation	ing 5 Land ation es.	Perpetual Leases.		Miscellaneous Leases and Licenses.		Education Endowments.	£	Totals.	
	No.	Area.	No.	Area.	No.	Area.	No.		Area. No.		Area. No.	Area.	No.	Area.	No. 4	Area.	No. Area.	a. No.	Area.	N0.	Area.	No.	Area.	
North Auckland			423	Acres. 67.878		Acres.			Acres. 71.255	Ąc	Acres.	Acres. 5	. 8	Acres.		Acres. 64	Acres 6 202	.		16 776		3.931	Acres. 573,622	21
Cichomo		166,812	342	91,161	1.342	270,760				-	19,948 1	ά	8.755 + 93	22.658	8 129 1	. 795	:	262 	5 71,615* - 39,164	<i>ж</i> -		5.029	841,456 201,115	φı
Hawke's Bav			395 395	103.776		227.815			38 690 90		100,000 39 455 9	69 034	F EU	:	:	:	•	<u>.</u>			1 50.961	+70 -280 -	560, 783 560, 783	2 92
Taranaki			· ·	140, 722		172,060					•		: :	: :	: :		:					2,438	544, 785	22
Wellington		98,033 1,0	011 341	142,393 105 470	1,124	211,228 947,052	ero 		19.502 14		24,347 6 0.609 9	-	626	162 16		590 790	4.	476 = 654	4 47,410	10 511 08 120	1 103,108 0 7 678	4,454	757,123	<u>.</u> 29 19
Marlborough				173.546		161.640			4,072 0 8,064 108	57	4	846.482	···	24,101		000				-		1.372		2 9
Westland			349	39,460		81,388			2,379				474 250	47,983	3 146	803				-	_	2,524	728,337	5
Canterbury		<u> </u>	569 906	266,033 373 693	892	362,079			1,031 128 2 730 128			ດ໌ເ	372 170	:			54 1,663	53 1,110 19 1,900				4, 196	4,110,844	49
Southland	. 105	15,834	200 536	275,089 90,240	- ·	87.220	20 132		20.000 21	סי 	65,538 64	3,202,100 1,120,057	150	::	41 12, 41 1.	230 242	ņ	-	a 128,419, 1 51,427	194 441 27 832	1 40.014 2 336.176	2.622	0, 287, 102	N 6
Totals	3,639 5]	515,002 7,4	7,451 1,	1,537.016	9,155	2.615,782	82 2,202	ļ.,	618, 164 768	3 2.501.123	.123 598	8,567,217	217 462	95,372	704	16.680 1	153 6.087	87 7.021	1 999,249	49 4.170	0 797.179	1	36.323 18.268.871	U
			V. const	1					-				-						9					
			Note		table m	cludes n * Includes	ational (Thermal :	endowm. Springs di	cludes national endowments and e * Includes Thermal Springs district leases.	educatic	m endown † faclades]	Aote.—This table includes hational endowments and education endowments, but excludes other endowments administered by J.and Boards. * Includes Thermal Springs district leases. † fucludes Hanner Crown leases. ‡ Includes agricultural leases.	t exclude own leases.	s other	endowments administere # Includes agricultural leases.	nts adn gricultur	umistered al leases,	ng Lan	d Boards.					

Table 2.--LANDS SELECTED DURING THE YEAR ENDED 31ST MARCH, 1938.

37

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		occupied by toads and terves unlet.	Area of Land unlet, including Land forfeited, surrendered, or	Cash	Area pure and made to Date	Freehold	Total	Lands lease	l to Date.	Rent and other	Total Receipts
Land District.	Area acquired,	Area occul Roads Reserves	resumed, and not relet, and also Land not yet offered for Selection.	Number of Purchasers.	Area.	Price realized.	Number of Selectors.	Area.	Annual Rental.		irom incep- tion to 31st March, 1938.
	Acres.	Acres.	Acres.		Acres.	£		Acres.	£	£	£
North Auckland		1,126		263		46,973	300		14,434		281,900
Auckland	382,964				161.267	421,076			33.549		
Gisborne	87,809			62		82.359		63,779	22,791	33,297	433,350
Hawke's Bay	228,649	2,430	2,870	188	41,785	260,339	561	181,564	65,836	101,1621	,309,438
Taranaki	28,236	258	3,618	65	2,320	44,181	137	22,040	8,884	9,594	262,861
Wellington	161,641	1,047	5,262	572	21,674	240,496	874	133,658	73,647	-73,975 1	,624,747
Nelson	60,370	975	10,653	- 11	3,805	5,596	60	44,937	2,594	2,390	72,637
Marlborough	235,867	2,648	642	62	12,584	52,457	-481	219,993	31,769	27,180	981,914
Westland	6,039	80	101	7	813	916	37		832	722	21,749
Canterbury	-607,335	4,637	4.631	-369	26,570				153,518		1,451,980
Otago	-340,220	3,858	I.,374	100	9,850	53,378		325,138	83,516		2,062,009
Southland	100,973	1,048	540	141	18,856	74,205	345	80,529	19,288	16,613	558,095
Totals	2,294,044	95,966	81,868	2,796	315,126	1,490,076	6,761	1,801,084	510,658	587,0021	3,369,726

Table 4.—Lands disposed of under the Land for Settlements Act to the31st March, 1938.

Table 5.—Endowment Lands administered by Land Boards and leased at 31st March, 1938.

	Nat	io nal Endow	ment.	Educa	tion Endo	wments,	Oth	er Endowi	ments.		Totals.	
Land District.	Number	Area.	Annual Rental.	Number	Area.	Annual Rental.	Number	Area.	Annual Rental.	Number	Area.	Annual Rental.
		Acres.	£		Acres.	ť	İ	Acres.	£	ĺ	Acres.	£
North Auckland	473	103,831	7,411	776	45,223	8,861	9	1,554	33	1,258	150,608	16,303
Auckland	512	146,716	4,994	188	34,347	2.760	19	2,529	854	-719°	183,592	8,608
Gisborne	76	134,807	-9,469	71	38,725	6,369	- H:	1,073	361	158	174,605	16,199
Hawke's Bay	52	33,766	4,595	191	50,961	9,942	5	42	32	248	84,769	14,569
Taranaki .	-155	57,758	2,632	624	46,444	10,810	18	9,698	1,195	797	113,900	14,637
Wellington	118	60,027	-4,104	-511	103,108	31,775	60,	17,146	2,732	689	-180,281	-38,611
Nelson	614	222,315	3,684	130	7,878	622	-591	16,765	[-1,707]	1,335	246,958	-6,013
Marlborough	-197	541,338	8,383	35	1,415	521				232	542,753	-8,904
Westland	932	190,773	3,489	136	15,541	867	-20	10	109	1,088	206,324	4,46
Canterbury	154	1,600,059	39,250	235	70,847	27.468	4	26.	4	393	[1,670,932]	66.722
Otago	[-760]	2,471,302	40,431	441	46,514	5,892	68	177,291	7,305	1,269	2,695,107	53,628
Southland	229	765,670	7,177	832	336,176	20,234	13	109,259	2,258	1,074	1,211,105	29,66!
Totals	4,272	6,328,362	135,619	4,170	797,179	126,121	818	335,393	16,590	9,260	7,460,934	278,330

Table 6.-TOTAL RECEIPTS, ARREARS, AND POSTPONEMENTS.

RECEIPTS, YEAR ENDED 31ST MARCH, 1938.

(Total receipts from debtors and exclusive of credits on account departmental expenditure, &c.)

	To	Total.	Head Office.	Auckland.	Auckland.	Gisborne.	Hawke's Bay.	Taranaki.	Wellington. Marlborough	Marlborough.	Nelson.	Westland.	Canterbury.	Otago.	Southland
	्या 	 भ	 ہر:	્ર	نب ^ي	 અ	भ	4		4	ઞ	મ	 પ્ર	્ય	41
rown Lands Account	250	250.445	:	20.226	33,658	18.683	44.299	18.040	29.136	7.943	3.880	4.253	30.031	28.404	11,892
Land for Settlements Account	820.	820.242	4,212	47.297	189,455	35.817	127.511	22.571	102.520	27,591	4.236	3.328	152,811	83,911	18,982
Hutt Valley	83.	.204		;			:		83.204					. :	:
Theviot Estate	16.	.709	:		:		:	:		:	:		16.709	:	:
National Endowment Account	133.	133.837	•	5.977	4.118	7.934	4.369	2.160	3.227	7.930	3.378	5.812	37,687	43,650	7.595
Education endowments	126,	,612	:	8,850	2,892	5,402	11.530	10,917	28,786	626	646	2,187	27,424	5,673	21,679
()ther endowments	11.	.281	:	64	:		1.530	1.168	2.679	•				4,192	1.242
Small-farms Account	.07	70.644	25	23,391	29.025	187	3.531	2,960	2.886	446	598		412	3,936	3,238
Survey Liens Account	. 10.	10.697	7.000	:	2,221	327	752	150	211	35			•	• :	
Hauraki	26.	. 563	•	:	26,563	:	:	:	:	:	:	•	:	:	:
Rangitaiki	. 10.	10.549	:	:	10.549	•	:	:	:	:	:	:	:	:	:
Swamp	 	2.563	:	:			296	•	:	:	:	:	:	:	:
Miscellaneous	13,	13,884	¢1	1,169	2,153	310	283	250	986	138	2,434	737	540	2,851	1,731
	1,577,230	,230	11,239	106,974	302,901	68,660	194, 101	58,516	253,635	44,709	15,172	16,733	265,614	172,617	66,359
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 $\frac{50,949}{4,663}$ $\frac{1}{55,612}$

137,081 8,900 145,981

 $\frac{282,788}{5,011}$

5,465 35 5,500

13,476 211 13,687

57,2981,179 58,477

 $\frac{142}{2}, 427\\2, 497\\144, 924$

27,463323

85,815 3,744 89,559

54, 131 5, 397 59, 528

55,232 4,874 60,106

60,843 5,474 66,317

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