

1933.
NEW ZEALAND.

NATIVE LAND DEVELOPMENT.

WAIARIKI MAORI LAND DISTRICT, BAY OF PLENTY GROUP.

Presented to both Houses of the General Assembly by Leave.

The Hon. the Native Minister, Wellington.

Native Department, 4th September, 1933.

HEREWITH are reports from the Supervisor for the Bay of Plenty Group of the Waiariki District Native Land Development Schemes (Mr. R. Royal) covering the development work carried out on the various schemes within the group during the year ended 31st March, 1933.

R. N. JONES, Under-Secretary.

REPORTS.

RUATOKI DEVELOPMENT SCHEME. (Sec Plan 27, G.-10.)

REPORT ON WORK DONE TO 31ST MARCH, 1933.

Contracts.—Unemployment contracts for work estimated to cost £3,163 10s., and providing employment for 285 men, were approved, and subsidies amounting to £1,430 3s. 6d. were allotted. The position at the 31st March, 1933, as set out in the schedule of contracts hereto shows that the total sum of £2,427 8s. 9d. was paid out for work done, and the total amount of subsidies paid or payable was £795 7s. 3d. Contracts outstanding amounted to £695, and subject to subsidies totalling £625. The total number of men employed was 259, but the same names appearing in two or three contracts reduced the total to 127 individuals.

Work.—Work for which payment was made is set out on schedule of contracts hereto and summarized together with the work for which no labour-costs were incurred. This report deals with the total amount of work done within the Scheme as a whole, the work done on the various subdivisions being set out in the summary hereto.

Scrub-cutting.—Work under this heading total 1,119 acres 3 roods 9 perches, of which work on 847 acres was paid for, and the balance of 272 acres 3 roods 9 perches, mostly on the Ngahina Section of C Scheme, was done without any charge on the development funds. This is entirely in C Scheme area.

Cultivation.—A total area of 2,446 acres and 21 perches was ploughed, disced, harrowed, sown, and manured. The only labour-cost incurred was in the scrub-cutting and cultivation of 847 acres of C Scheme. The expenditure under the above two headings totalled £727 5s. 9d., and a total of fifty-three men were employed. Contracts outstanding for this class of work are for 200 acres scrub-cutting, ploughing, &c., and 64 acres of stumping. Estimated cost, £195.

Draining.—Two main drains—(1) The Ngahina drain which was continued through A Scheme, and (2) what is now commonly known as the Paekoa drain, C Scheme—were laid off by Mr. Gainsford, Surveyor, of Rotorua. These were completed, along with many subsidiary drains, at a total cost in labour of £589 16s. 9d. The total length of all drains was 423 chains, of which 122 chains are on A Scheme and 301 chains on C Scheme. The draining made available for development a large tract of swamp country which formed the greater portion of the flats west of the Whakatane River. Sixty-seven men were employed in this work.

Roading.—The scheme was well served as regards paper roads, which the Native Land Court laid off on partition of the Ruatoki Block, and which were supplemented on consolidation of titles immediately before the commencement of development operations. With a special grant provided from Treasury funds the Whakatane County Council formed and metalled the Mahurehure Road from the factory to the Waikirikiri Pa, a distance of three miles and a half. Under development activities the formation and metalling were continued to the mouth of the Gorge, a further distance of 110 chains, of which 99 chains were metalled. This latter portion was called Waikirikiri Road, and the labour-cost was £200, including the labour on one culvert made from oil-drums. This is the extent of the roading done on the eastern side of the Whakatane River.

The constant traffic of milk carts and wagons, which increased as development advanced, had made the roads on the west side of the river almost impassable during the winter months and wet weather, and it was found necessary to carry out a programme of permanent formation of the main roads, with a view to metalling as the formation settled and consolidated. New roads to give access to the newly developed areas were also formed. The extent of roadwork on this side of the Whakatane River is 589 chains, at a total labour-cost of £471 10s. 6d., including the labour-cost on four bridges and nine culverts. Three of the culverts were constructed from oil-drums supplied, the other six being timber culverts. The total amount of work done under this heading may be summarized as follows: A Scheme—385 chains formation, 99 chains metalling, 5 culverts (3 of timber and 2 of oil-drums), and 3 bridges. C Scheme—314 chains formation, 5 culverts (3 of timber and 2 of oil-drums), and 1 bridge. The number of men employed on this work was 103. Outstanding work—204 chains of C Scheme roads, estimated cost £300.

Splitting (Posts and Battens).—2,431 posts were split up the Whakatane and Waimana Rivers, at a total cost of £71 8s. Number of men employed, 4. A contract for the splitting and delivery of 40,000 battens was approved, at a price of 10s. per 100 delivered at the store shed. Up to the 31st March, 1933, a total of 15,000 battens had been split up the Whakatane River, but not delivered. No payments have been made in respect of these battens as the contract is at a delivered price, so that the work is shown as outstanding at the above date.

Fencing.—The only fencing contract submitted for approval was for 16 miles to be done on C Scheme. The actual fencing done was 1,294.43 chains, or 16.175 miles, at a total cost of £309 7s. 9d. The fences erected were of seven wires unbattened, there being no battens available. The number of men employed on this work total 26. Most of the fencing has been done on A Scheme and consisted of reconditioning old fences and erecting new ones on the Consolidation Titles boundaries where they were definitely laid down. It has been difficult to arrive at the actual work done without a complete survey, but a conservative estimate would be 2,560 chains calculated on the amount of wire issued and based on fences of seven wires. No labour-cost has been incurred on this section of the Scheme.

Ragwort.—This weed was introduced to Ruatoki from Ruatahuna by the flood-waters of the Whakatane River and has taken a firm hold on the river-bed and the southern end of the Scheme (Ruatoki South). It has also spread to the Ohaua and Owhakatoro Valleys.

During the spring of 1931 gangs were organized for the clearing, pulling, and burning of the weed, which was later treated with a solution of sodium chlorate with varying results. The 1932 treatment with the sodium chlorate and lime mixture showed better results, while the whole tribe turned out to clear the various portions of the Scheme badly affected.

Control of ragwort by sheep was introduced in March, 1932, and as in other ragwort-infested areas of the Bay of Plenty Schemes this method is proving very successful. The total labour-cost of the work during 1932 was £58, and six men were employed on the wage-sheet to draw the money as sustenance for the 100-odd men, women, and children who were engaged in the good work.

Buildings.—These consist of the store shed, overseer's cottage, and supervisor's cottage with office attached. Timber for studs and rafters only, together with iron for the roof, was supplied for thirty sheds. Labour-costs not available.

Pastures and Top-dressing.—The following table gives the progress in the pasturing of the land from the commencement of operations in 1930 and the position as at 31st March, 1933:—

	A Scheme.		C Scheme.		Total.	
	A.	R. P.	A.	R. P.	A.	R. P.
Old grass	1,193	3 32	81	3 0	1,275	2 32
1930-31 sowing	299	1 19	94	1 0	393	2 19
1931-32 sowing	731	0 5	441	3 27	1,172	3 32
1932-33 sowing	377	2 28	501	3 22	879	2 10
Fair to rough pasture	561	1 30	78	3 0	640	0 30
Total grass of sorts	3,163	1 34	1,198	2 9	4,362	0 3

Manuring and top-dressing treatment of pastures is as follows:—						Acres.
1930-31.	New grass, manuring	..	..	..	..	393½
	Old grass, top-dressing	..	..	..	..	1,167
						1,560½
(Applied at the rate of 2 cwt. per acre super only.)						
1931-32.	New grass, manuring	..	..	..	..	1,173
	Old grass, top-dressing	..	..	..	..	1,272
						2,445
(Application as in 1930-31 year.)						
1932-33.	New grass, manuring	..	..	..	..	879
	Old grass, top-dressing	..	..	..	..	1,345
						2,224

1,324 acres were treated with a mixture of lime super and applied at the rate of 5 cwt. per acre. 900 acres of old grass were top-dressed with super only.

Hay and Ensilage.—The 1931-32 hay season yielded an estimated crop of 951 tons of hay, while 1932-33 season's yield was measured and calculated at 957½ tons hay and 15 tons of ensilage.

Shelter-belts.—In spite of a cold severe southerly wind (Te Okiwa) which comes down the narrow gorge formed by the Whakatane River, shelter-belts on the Ruatoki Flats are conspicuous by their absence, and stock not reared on the Scheme experience a very hard winter. During the winter of 1932, ten thousand trees (*Pinus insignis*) were made available and three miles and a half of main shelter-belts were planted. The trees were planted in three rows at a space of 6 ft. between trees. No labour-costs were incurred.

General Work.—Other work consisted of making gates, casual labour at store shed, such as the stacking of manures, seed, wire, posts, and strainers, and the building of stock-yards and temporary cow-sheds.

Summary of Work done to 31st March, 1933, and Relative Labour-cost.

Nature of Work.	Area, Length, or Number.	Labour-cost.	Number of Men employed.	Remarks.
Scrub-cutting—		£ s. d.		
C Scheme only ..	847 acres.	727 5 9	53	Ohaua Section.
„ ..	272 a. 3 r. 9 p.	Nil	..	1,119 a. 3 r. 9 p., Ngahina Section.
Ploughing, &c.—				
A Scheme	1,326 a. 1 r. 12 p.	Nil	..	Units.
C Scheme	272 a. 3 r. 9 p.	Nil	..	Ngahina Section.
„	847 acres (including above)	..	..	2,446 a. 0 r. 21 p., Ohaua Section.
Draining—				
A Scheme	122 ch. }	589 16 9	67	423 ch.
C Scheme	301 ch. }			
Roading—				
A Scheme: Metalling ..	99 ch.	100 0 0	16	
A Scheme	385 ch., 8 culverts, &c.	571 10 6	87	699 ch. formation, 99 ch. metalling, 14 culverts.
C Scheme: Formation..	314 ch., 6 culverts, &c.			
Splitting posts, A and C Schemes	2,431	71 8 0	4	
Fencing—				
C Scheme	1,294.43 ch.	309 7 9	26	3,854.43 ch.
A and C Schemes, estimated	2,560 ch.	Nil	..	
Ragwort-pulling, &c., estimated	500 acres	58 0 0	6	
		2,427 8 9	259	

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Estimated Labour-cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done as at 31st March, 1933.	Date of Completion.	Actual Cost.	Actual Subsidy paid.	Actual Number of Men employed.	Work.	Cost.	Subsidy Outstanding as at 31st March, 1933.	Remarks.
A. 1	Scrub-cutting at 10s.	251 ac.	£ s. d. 125 10 0	£ s. d. 31 7 6	25/6/32	10	251 ac.	7/3/33	£ s. d. 125 10 0	£ s. d. 31 7 6	10	..	..	£ s. d. ..	C Scheme.
A. 2	Ploughing, sowing, and manuring, at 10s.	251 ac.	125 10 0	31 7 6	25/6/32	6	251 ac.	7/3/33	125 10 0	31 7 6	6	..	..	..	C Scheme.
A. 3	Draiming, at £1 ..	59 ch.	59 0 0	14 15 0	25/6/32	10	59 ch.	5/8/32	59 0 0	14 15 0	16	..	..	..	C Scheme.
A. 4	Roading—Formation	50 ch.	75 0 0	18 15 0	25/6/32	15	50 ch.	19/8/32	75 0 0	18 15 0	16	..	..	..	C Scheme.
A. 5	Splitting and delivery batters	40,000	200 0 0	50 0 0	25/6/32	10	..	..	..	..	..	40,000	200 0 0	50 0 0	C Scheme.
A. 6	Roading—Metalling ..	99 ch.	100 0 0	100 0 0	2/8/32	11	99 ch.	6/12/32	100 0 0	100 0 0	16	..	..	..	A Scheme.
A. 7	Ragwort - pulling and burning	500 ac.	58 0 0	58 0 0	14/2/33	6	500 ac.	31/1/33	58 0 0	58 0 0	6	..	..	..	A and C Schemes.
A. 8	Scrub-cutting, at 5s.; ploughing, sowing, and manuring, at 10s.	200 ac.	150 0 0	150 0 0	14/2/33	10	..	..	..	..	..	200 ac.	150 0 0	150 0 0	C Scheme.
A. 9	Stumping, heaping, and burning, at 15s.	64 ac.	45 0 0	45 0 0	14/2/33	4	..	..	..	..	..	64 ac.	45 0 0	45 0 0	C Scheme.
A. 10A	Roading—Formation	355 ch.	380 0 0	380 0 0	14/2/33	15	151 ch.	..	80 0 0	..	22	204 ch.	300 0 0	380 0 0	C Scheme.
A. 10B	Roading—Formation	245 ch.	120 0 0	120 0 0	14/2/33	15	245 ch.	11/3/33	120 0 0	120 0 0	15	..	..	..	A Scheme.
B. 1	Clearing, ploughing, &c.	596 ac.	476 0 0	119 0 0	30/3/32	15	596 ac.	29/7/32	476 5 9	119 1 6	37	..	..	..	C Scheme: 5s. 9d. over contract price; 1s. 6d. additional subsidy.
B. 2	Road access, including culverts	253 ch., 8 cul.	313 0 0	78 5 0	30/3/32	173	253 ch., 8 cul.	29/7/32	296 10 6	74 2 7	34	..	..	..	A Scheme: 140 ch. and 3 culverts. C Scheme: 113 ch., 5 culverts. £16 9s. 6d. under contract price; subsidy reduced by £4 2s. 5d.
B. 3	Draining	364 ch.	548 0 0	137 0 0	30/3/32	173	364 ch.	31/12/32	530 16 9	132 14 2	51	..	..	..	A Scheme, 122 ch. C Scheme, 242 ch.; £17 3s. 3d. under contract; subsidy reduced by £4 5s. 10d.; 7s. 9d. over contract, 2s. additional subsidy.
B. 4	Fencing ..	16 m.	309 0 0	77 5 0	30/3/32	26	1,294.43 ch., 2,431	24/3/33	309 7 9	77 7 0	26	..	..	..	A and C Schemes: £8. 2s. under contract price; subsidy reduced by £2 0s. 6d.
B. 5	Splitting posts	2,650	79 10 0	19 17 6	30/3/32	4	..	4/1/33	71 8 0	17 17 0	4	..	..	..	A and C Schemes: £8. 2s. under contract price; subsidy reduced by £2 0s. 6d.
Totals		..	3,163 10 0	1,430 12 6	..	285	..	..	2,427 8 9	795 7 3	259	..	695 0 0	625 0 0	..

WHAKATOHEA DEVELOPMENT SCHEME. (See Plan 28, G.-10.)

WORK DONE TO 31ST MARCH, 1933.

HINAHINANUI SECTION.

Contracts.—Contracts for work estimated to cost £949 16s., and providing employment for eighty-nine men were authorized and subsidies amounting to £361 1s. 4d. were allotted. At the 31st March, 1933, payments on account of work done amounted to £829 1s., and subsidies paid or payable totalled £306 1s. 4d. The number of men employed was 114—individuals 36. Contract A. 19, for scrub-cutting, was outstanding for an area of 163½ acres at a cost of £114 15s.; the subsidy payable is £55.

Work.—Work was commenced on this section in the last quarter of the 1931-32 financial year, and consisted of scrub-cutting. An area of 167 acres was completed, harrowed, sown, and manured by the end of May, 1932.

One unit (Rawiri Mikaere) was in occupation at the commencement of development. He had already grassed 20 acres and was milking a few cows. Thirty acres of the area of 167 acres grassed is a part of his holding. With the exception of the scrub-cutting, all labour on this portion was done at no cost to the Scheme.

Fencing (200 chains) was completed in October, and the place was then stocked with heavy cattle and sheep to control the fern. Cattle, and particularly sheep, have been kept on the block up to the end of the financial year, and valuable work was done by them in consolidating the pastures and keeping the fern in check.

Two miles and a quarter of access roading was done to provide for the future development of the area adjacent. It is intended to extend the road a further three miles to connect with Motu Road at the Te Waiti—Waiaua Bridge and thus facilitate the delivery of materials to the units on Te Waiti Stream. This road, if metalled, would be useful in the collection of cream.

Fifty chains of draining were done to render the swamp gullies safe for stock.

During January of this year it was decided to extend the development of this area southwards to the extent of 220 acres, and 56½ acres were scrubbed at the close of the financial year. The balance of 163½ acres is shown as outstanding in the schedule of contracts hereto.

A temporary store-shed was built of slabs and bush timber and roofed with railway tarpaulins. Ten tons of ensilage and 5 tons of hay were harvested off Rawiri Mikaere's clover pasture.

Summary of Work done to 31st March, 1933, and Relative Labour Cost.

Nature of Work.	Area, Length, or Number.	Labour Cost.	Number of Men employed.	Remarks.
Scrub-cutting	223½ acres	£ s. d. 155 5 0	35	56½ acres Hinahinanui Extension.
Mixing, &c., sowing and manuring	137 acres	43 0 0	24	See plan.
	30 acres	Free labour	..	R. Mikaere.
Splitting—				
Posts	2,000	45 0 0	4	From Torere.
Battens	10,000	50 0 0	4	Hinahinanui Bush.
Draining	50 chains	25 0 0	8	See plan.
	120 acres	39 0 0	2	Portion of 137 acres above.
Harrowing	30 acres	Free labour	..	R. Mikaere.
	200 chains	85 0 0	6	External and one sub- division.
Fencing	44 chains	Free labour	..	R. Mikaere.
Roading	203 chains	386 16 0	31	To Hinahinanui Creek and store-shed.
		829 1 0	114	

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Labour Cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done to 31st March, 1933.	Date of Completion.	Actual Labour Cost.		Actual Subsidy paid.		Actual Number of Men employed.		Outstanding as at 31st March, 1933.		
									£ s. d.	£ s. d.	£ s. d.	£ s. d.	Work.	Cost.	Subsidy.		
A. 1 ..	<i>Hinahinani.</i> Splitting and delivery—battens .. Cutting, barking, charring, and delivery to road—Posts .. Scrub-cutting, at 15s. .. A. 4 .. Scrub-cutting, at various prices .. Draining, at 10s. per chain .. A. 6 .. Roading access, at various prices .. A. 7 .. See Base Farm Section. A. 8 .. Harrowing, at 5s. .. A. 9 .. Fencing, at 8s. 6d. per chain .. A. 10 .. Mixing and packing seed, at call price .. A. 11 .. Sowing and manuring, at call price .. A. 12-14 .. See Base Farm Section. A. 15-17 .. See Wainui Section. A. 18 .. Roading—Extension to creek and cutting back corners .. A. 19 .. Scrub-cutting, at 15s. ..	10,000	£ 50 0 0	£ 15 0 0	3/3/32	4	10,000	15/3/33	£ 50 0 0	£ 15 0 0	4	..	..	..	..	..
A. 2 ..		2,000	60 0 0	15 0 0	3/3/32	2	2,000	30/4/32	45 0 0	15 0 0	4	..	..	..	..	Royalty, £15.
A. 3 ..		30 acres	22 10 0	7 10 0	3/3/32	3	30 acres	16/12/32	22 10 0	7 10 0	4
A. 4 ..		131 acres	82 10 0	27 10 0	24/3/32	17	137 acres	3/3/33	82 10 0	27 10 0	17
A. 5 ..		50 chains	25 0 0	8 6 8	24/3/32	8	50 chains	11/3/33	25 0 0	8 6 8	8
A. 6 ..		182 chains	306 16 0	153 8 0	24/3/32	20	182 chains	10/11/32	306 16 0	153 8 0	21
A. 7 ..		See Base Farm Section.															
A. 8 ..		See Base Farm Section.															
A. 9 ..		See Base Farm Section.															
A. 10 ..		See Base Farm Section.															
A. 11 ..	See Base Farm Section.																
A. 12-14 ..	See Base Farm Section.																
A. 15-17 ..	See Wainui Section.																
A. 18 ..	See Wainui Section.																
A. 19 ..	See Wainui Section.																
Totals ..		..	949 16 0	361 1 4	..	89	..	..	829 1 0	306 1 4	114	163½ acres	114 15 0	55 0 0	163½ acres	55 0 0

OPEPE BASE FARM.

Contracts.—Contracts are scheduled providing for an expenditure of £586 5s., and subject to subsidies totalling £188 15s. The work scheduled was expected to provide employment for 29 men. At the 31st March last payments for work done amounted to £146 15s., and subsidies paid or payable on contracts completed totalled £37 15s. The number of men employed, 10—individuals 10. For the sake of convenience a contract for post and batten splitting has been included in the schedule of Base Farm contracts, although it does not form a part of the Base Farm work. It is a general contract to provide posts and battens for the whole of the Whakatohea Scheme, and accounts for £378 of the original contract cost and £13 10s. of the expenditure to 31st March, 1933.

Contracts outstanding at the close of the financial year were—(1) For 100 acres scrub-cutting on the Base Farm at £75, with subsidy of £25; and (2) the balance of the Whakatohea General Contract, 5,700 posts and 24,000 battens, at £364 10s., and subsidy of £126.

Work.—Work under unemployment contracts and employing men other than permanent farm hands comprised scrub-cutting, fencing, and draining. An area of 40 acres was scrubbed at a cost of £37. This was burnt, sown, and manured by the farm staff in the course of their routine of work. Fencing accounted for £20 of the expenditure, and 80 chains to enclose the 40 acres scrubbed was erected. Two men had to be imported from Ruatoki to do this work. The farm staff was responsible for 34 chains of subdivisional fencing, making the total fencing 114 chains.

The amount expended on the draining operations was £76 5s., and 75 chains were completed by two men.

Pastures.—Mr. Stewart, farm-manager during the first year of operations, estimated the area n grass as 87 acres, and with the addition of 40 acres scrubbed area sown—127 acres in all. A recent survey made by the Scheme surveyor shows the area in pasture as 198 acres, including 5 acres of lucerne.

Top-dressing.—Spring, 1931: With ammoniated super at 3 cwt. application, 26 acres including lucerne patch, with super at 3 cwt. application, 54 acres.

Spring, 1932: With lime-super mixture at 5 cwt. application, 87 acres.

Provision is made in the 1933-34 budget for manure to top-dress 170 acres of pasture.

Buildings.—When the property was taken over from Mrs. Ferguson, the buildings consisted of a four-roomed cottage, washhouse, car-shed, old whare, and a four-stand milking-shed. The milking-shed, yards, and surroundings were condemned by the Dairy Inspector as being the cause of mammitis affecting Mrs. Ferguson's herd. A new five-stand shed was therefore erected and equipped with a Treloar "Apex" milking-machine.

Buildings.—An addition to the old whare was built to accommodate the farm hands, and the cottage was renovated. The old cow-shed is now used as a manure and implement shed.

Hay and Ensilage.—The hay and ensilage harvested during this season measured at 20 tons ensilage and 101½ tons of hay. Credit is due to the farm-manager and his staff for the manner in which they have conserved the feed for the use of the stock in the winter.

Management.—During the first year of operations the farm was managed by Mr. Stewart (European) who had been Mrs. Ferguson's manager for some years. He was assisted by three cadets selected by the owners from among the young men of the tribe. Mr. Stewart resigned at the end of the milking season July, 1932, to take up a position as a share milker for a European farmer. Mr. Ngawai Amoamo, an owner in the land and son of the leading man of the tribe, who was foreman of the Whakatohea Scheme, was appointed manager. The change in the management was reflected in the better state of the pastures, the fencing, conservation of feed, and general initiative in the work and management of the farm. He was assisted by the farm cadets aforementioned.

WAINUI SECTION.

Contracts.—Contracts for work estimated to cost £174 10s., and providing work for 9 men, were authorized, and subsidies totalling £58 3s. 4d. were allotted.

Work.—The work done under the contracts above as at 31st March, 1933, comprises the ploughing and sowing of 5 acres, the erection of 66.9 chains of fencing, and the splitting and delivery of 504 posts and 20 strainers. The total cost of the above work was £64 15s. 9d., and gave employment to fifteen men—individuals 12.

No contracts were completed at the close of the financial year, but it is expected that all work would be completed by the end of April.

In all other respects the position of Wainui is as set out in my report dated the 20th October, 1932, and summarized in the summary hereto.

WHAKATOHEA UNITS.

Work.—This comprised scrub-cutting, ploughing, sowing and manuring, fencing, top-dressing, and the building of a store-shed and two race cow-sheds. The total area scrubbed, surface-sown, and manured was 303 acres; ploughed, sown, and manured, 21 acres: making a total area of 324 acres pastured by the Scheme. These areas are only approximate, as no actual survey of each unit's work has been made. Fencing is estimated at 560 chains upon the amount of wire issued and calculated as for fences of seven wires.

Top-dressing.—The areas top-dressed with manures supplied by the Scheme are as follow:—

		Acres.
1931-32.	With super	188
	With basic super	20
	With potassic super	45
		—
		253
1932-33.	With a mixture of lime and super (5 cwt. to 2 cwt.) applied at the rate of 5 cwt. to the acre ..	317

Pasture.—Operations commenced in the spring of 1931 with a total area of 578 acres in pasture of sorts. Harrowing and top-dressing has improved what was then considered poor pasture, and together with the area pastured by the Scheme (324 acres) makes a total grass area of 902 acres at the close of the financial year.

Haymaking.—It was estimated that 42 tons of hay was harvested during the summer months.

General.—This is a section of the Whakatohea Scheme where no labour costs were incurred for any of the work done in connection with the development of the land. Assistance was confined to the supply of fertilizers, fencing material, farm implements, and timber and iron.

Summary of Work done to 31st March, 1933, and Relative Labour Cost.

Scrub-cutting, sowing, and manuring	303 acres.
Ploughing, sowing, and manuring	21 acres.
These are only estimated areas and not surveyed as in the case of other work in this Scheme.	
Fencing (estimated on the wires issued as for 7-wire fences)	560 chains.
Buildings	Store-shed and two race-sheds.
Top-dressing old pastures—Spring, 1931 (super only)	188 acres.
Top-dressing old pastures—Spring, 1931 (basic super)	20 acres.
Top-dressing old pastures—Spring, 1931 (potassic super)	45 acres.
Total	253 acres.
Top-dressing old pastures—Spring, 1932 (super and lime mixture)	317 acres.

Summary of Work done to 31st March, 1933, and Relative Labour Cost.

OPAPE BASE FARM.

Nature of Work.	Area, Length, or Number.	Labour Cost.	Number of Men employed.	Remarks.
Scrub-cutting	40 acres	£ s. d. 37 0 0	5	See plan and note below. Enclosing above. See note. Swamp. See plan. Part general contract for 6,000 posts.
Fencing	80 chains	20 0 0	2	
Draining	75 chains	76 5 0	2	
Splitting—Posts	300	13 10 0	1	
		146 15 0	10	

NOTE.—Burning, sowing, and manuring of above area and 34 chains subdivisional fencing done by farm staff.

WAINUL.

Unemployment Contracts—Subsidized Work.				Day Labour—No. Subsidy.	
Nature of Work.	Area, Length, or Number.	Labour Cost.	Number of Men employed.	Area, Length, or Number.	Labour Cost.
Clearing, stumping, &c. .. .. .	..	£ s. d. .. .. .	..	106 a. 3 r.	208 14 0
Ploughing, &c., and sowing	5 acres	5 0 0	1	8 a. 2 r.	Nil
Burning and sowing .. .. .	..	.. .. .	..	81 a. 2 r.	6 12 0
Harrowing and sowing .. .. .	..	.. .. .	..	16 a. 3 r.	1 14 0
Manuring .. .. .	..	.. .. .	..	33 a. 2 r.	2 0 0
Draining .. .. .	..	.. .. .	..	71 chains	16 16 0
Fencing	66.9 chains	16 0 1	6	110.5 chains	Nil
Splitting—					
Posts	504	36 15 8	8	..	..
Strainers	20	7 0 0		..	..
	..	64 15 9	15	..	235 16 0

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Labour Cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done to 31st March, 1933.	Date of Completion.	Actual Labour Cost.	Actual Subsidy paid.	Actual Number of Men employed.	Outstanding as at 31st March, 1933.			
												Work.	Cost.	Subsidy.	
A. 20	<i>Opape Base Farm.</i>														
A. 7	Scrub-cutting, at 15s. ..	100 acres	£ s. d. 75 0 0	£ s. d. 25 0 0	9/3/33	8	..	..	£ s. d. 37 0 0	£ s. d. 12 6 8	.. 5	100 acres	£ s. d. 75 0 0	£ s. d. 25 0 0	..
A. 12	Scrub-cutting, at various prices ..	40 acres	37 0 0	12 6 8	3/3/32	5	40 acres	8/1/32	20 0 0	6 13 4	2	..	..	..	..
A. 13	Fencing, at 5s. per chain ..	80 chains	20 0 0	6 13 4	25/6/32	2	80 chains	12/12/32	76 5 0	18 15 0	2	..	..	..	..
A. 14	Draughting, at 15s. per chain ..	75 chains	76 5 0	18 15 0	25/6/32	2	75 chains	15/3/33	13 10 0	..	1	{ 5,700 } { 24,000 }	364 10 0	126 0 0	..
	Posts, at £4 10s. ..	6,000	270 0 0	126 0 0	25/8/32	12	300	..	146 15 0	37 15 0	10	..	439 10 0	151 0 0	..
	Battens, at 9s. ..	24,000	108 0 0	..	..	29	..	..	..	..	..	..	..	..	..
	Totals .. ..	..	586 5 0	188 15 0	..	..	..	..	..	..	..	..	..	..	..
A. 15	<i>Wainui.</i>														
	Splitting and delivery—														
	Posts, at £6	1,000	60 0 0	25 16 8	2/12/32	3	504	..	36 15 8	..	8	496	23 4 4	25 16 8	..
	Battens, at 7s.	3,000	10 10 0	..	..	..	..	..	7 0 0	..	..	3,000	10 10 0	..	..
	Strainers, at 7s.	20	7 0 0	..	..	..	20	..	5 0 0	..	..	..	..	..	..
	Ploughing, disking, &c., at 20s. ..	25 acres	25 0 0	8 6 8	2/12/32	2	5 acres	..	..	..	..	20 acres	20 0 0	8 6 8	..
A. 16	Fencing—														
A. 17	New, at 7s. 6d. per chain ..	160 chains	60 0 0	24 0 0	2/12/32	4	66.9 chains	..	16 0 1	..	6	93.1 chains	55 19 11	24 0 0	..
	Repairing, at 4s. per chain ..	60 chains	12 0 0	..	..	..	..	..	64 15 9	..	15	60 chains	109 14 3	58 3 4	..
	Totals .. ..	..	174 10 0	58 3 4	..	9	..	..	1,040 11 9	343 16 4	139	..	663 19 3	264 3 4	..
	Grand totals .. ..	..	1,710 11 0	607 19 8	..	127	..	..	..	..	..	..	..	..	..

TORERE DEVELOPMENT SCHEME. (See Plan 29, G.—10.)

WORK DONE TO 31ST MARCH, 1933.

Contracts.—Contracts for work estimated to cost £459 and providing work for forty-one men were authorized, and subsidies totalling £153 2s. 8d. were approved. At the 31st March, 1933, payments on account of work done amounted to £299 10s., subject to a total subsidy of £92 9s. 4d. The total number of men employed was 37—individuals 29. Contracts outstanding were for discing and harrowing 64 acres, and access roading 94 chains. Total cost, £160; subsidies, £60 13s. 4d.

Work.—The work for which payment has been made is set out in the schedule of contracts and summarized together with the work for which no labour cost was incurred.

Scrub-cutting.—The area dealt with under the contracts was 312 acres, costing in labour £234, and employing 24 men. An additional area of 193½ acres was also scrubbed free of cost. This makes a total area of 505½ acres dealt with under this heading.

Ploughing.—The total area ploughed was 90 acres. This was done without any charge on the development funds.

Draining.—Total length, 90 chains; cost, £36; number of men employed, 4. This work was done on Awaawakino A (Hori Mio) and Waiohoata A 26 (Francis's lease).

Roading.—This work was authorized to provide an all-weather access for the settlers up the Torere River. The access as provided by the Native Land Court was along the river-bank. Erosion had washed away most of the road and made access during floods impossible. The total length is 120 chains, and progress payments of £22 on 26 chains done were made up to the end of the financial year.

Fencing.—The only fencing contract submitted and approved was for 40 chains to close the work on Waiohoata A 26, formerly leased to a European who was eliminated by purchase. Two men were employed in the work, which cost £7 10s. The extent of other fencing, as estimated on the amount of wire issued to the individuals, is 480 chains. This is a conservative estimate, being based on fences of seven wires. No labour costs were incurred.

Sowing and Manuring.—The total area treated under this heading is 531½ acres, made up as follows: (1) 441½ acres being the scrubbed area, less 64 acres for discing and harrowing. This area was surface-sown and manured. (2) 90 acres, being the whole of the area ploughed.

Pastures.—The total area in pasture of sorts in 1931 was estimated at 976 acres, made up as follows: Good grass, 419 acres; fair grass, 151 acres; poor grass, 406 acres: total, 976 acres.

During the year just closed a field-compass survey was made by the Scheme Surveyor, and the actual position as at 31st March, 1933, is as follows:—

				A.	R.	P.
Old pasture reconditioned and considered as good	..	..	..	801	3	32
Pastured during year 1932-33	..	..	..	531	2	39
Poor pasture and rough feed	..	..	..	60	3	31
Total pasture of sorts	..	..	..	1,394	2	22

Top-dressing.—During the spring of 1931 a total of 424 acres was top-dressed as follows: 829 acres with super, 30 acres with potassic super, and 5 acres with basic super, at a 2-cwt.-per-acre application. Lime and super were supplied for top-dressing of pastures in the spring of 1932, and 443 acres was treated, at the rate of 5 cwt. per acre, of a mixture of above in the proportion of 5 cwt. lime to 2 cwt. super.

Ragwort.—This is another Scheme where ragwort has a firm hold in the river-bed and paddocks adjacent to the river. Top-dressing with lime and sodium chlorate was tried during the year, and, while it was effective upon the plants that were growing at the time of the application, the millions that grew up afterwards made the position just as bad as formerly. The Maraenui and Ruatoki methods of control will be applied to this Scheme, and fencing is now in progress to confine the sheep to the badly infested areas.

Buildings.—The only building erected on this Scheme is the store-shed. No labour costs were incurred.

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Labour Cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done to 31st March, 1933.	Date of Completion.	Actual Labour Cost.		Actual Number of Men Employed.	Outstanding as at 31st March, 1933.	
									£ s. d.	£ s. d.		Work.	Cost.
A. 1	Scrub-cutting, at various prices	218 acres	163 10 0	54 10 0	24/3/32	21	218 acres	1/9/32	163 10 0	21	..	..
A. 2	Cancelled	..	..	..	..	..	..	..	..	..	..	..
A. 3A	Scrub-cutting	64 acres	48 0 0	..	..	..	64 acres	..	..	..	..	..
A. 3B	Draining	40 chains	16 0 0	23 16 0	24/3/32	7	40 chains	15/3/33	71 10 0	7	..	..
A. 3C	Fencing	40 chains	7 10 0	..	..	..	40 chains	..	..	..	..	..
A. 4	(1) Scrub-cutting	30 acres	22 10 0	..	..	..	30 acres	..	..	..	..	..
	(2) Draining	50 chains	20 0 0	14 3 4	24/3/32	2	50 chains	21/4/32	42 10 0	2	64 acres	32 0 0	
A. 5	Discing and harrowing	64 acres	32 0 0	10 13 4	25/8/32	1	..	..	..	..	94 chains	128 0 0
A. 6	Roading	120 chains	150 0 0	50 0 0	2/12/32	10	26 chains	..	22 0 0	7	..	..
	Totals	..	459 0 0	153 2 8	..	41	..	..	299 10 0	37	..	160 0 0

Summary of Work done to 31st March, 1933, and Relative Labour Cost.

Contract No.	Nature of Work.	Labour.	Area, Length, or Number.	Labour Cost.	Number of Men.
1	Scrub-cutting	Contract labour Free labour	A. B. P. 312 0 0 193 3 0	£ s. d. 234 0 0 ..	24 ..
2	Ploughing	Free labour	505 3 0	..	..
3	Draining	Contract labour	90 0 0	36 0 0	4
4	Roading—Access	Contract labour	26 chains	22 0 0	7
5	Fencing	Contract labour	40 chains	7 10 0	2
6	Sowing and manuring	Free labour	480 chains 531 $\frac{3}{4}$ acres*	..	..
	Totals	..	..	299 10 0	37

* Ploughed area plus scrubbed area less 64 acres not sown as at 31st March, 1933.

Other Work, Labour Free.

Building of store-shed (40 ft. by 24 ft.).
 Top-dressing of pastures—Spring 1931, 424 acres; old grass: 380 acres with super, 30 acres with potassic super,
 5 acres with basic super. Spring 1932, 433 acres; old grass: 2 cwt. application lime; and super mixture, 5 cwt.
 application.

TE KAHA DEVELOPMENT SCHEME.—MARAENUI SECTION. (See Plan 30, G.—10.)

WORK DONE TO 31ST MARCH, 1933.

This section of the Te Kaha Scheme was undertaken for the purpose of checking, controlling, and if possible destroying ragwort by means of sheep and sodium chlorate. The work was, therefore, confined to the fencing and the clearing-up of the badly infested areas so as to enable the control to be more effective.

Contracts.—Contracts for work estimated to cost £638 6s. 9d. and providing employment for 67 men were authorized, and subsidies totalling £270 17s. 10d. were approved. At the 31st March, 1931, payments on account of work done amounted to £536 3s. 1d. and subject to subsidies totalling £213 7s. 2d. The number of men employed was 74—individuals 16. Contracts were outstanding for scrub-cutting, stumping, logging-up, and renovation. These total £106 15s., with subsidies amounting to £58 6s. 8d.

Scrub-cutting.—The contract was for 100 acres on the north side of the Motu River upon the area known as "Kowhai Flat." Progress payments on 55 acres, amounting to £41 5s., were made.

Stumping, Logging-up, and Burning.—This work was authorized as a subsequent treatment of the above area on Kowhai Flat so as to make available to the sheep as much of the grass and ragwort area as possible. Progress payments totalling £24 10s., were made upon 49 acres done.

Discing, Harrowing, &c.—The contract for this work is for 100 acres on the south side of the Motu River, where sheep were grazed for a considerable period and the area then treated with a mixture of sodium chlorate and lime. Five acres of this area were renovated in March with very good results, and the balance of the area is undergoing the same treatment. The labour cost in this connection to 31st March, 1933, was £2 10s.

Splitting, &c.—Posts 3,670, battens 13,550, and strainers 61, were split on the Whitianga Sections and delivered to the fence-lines at a total cost of £179 9s. 4d., including the labour of constructing 12 flood-gates. Thirty-five men were employed. With the exception of 500 puriri, akeake, and kohai posts for angles and dips, the posts obtained were white manuka. These were cut and charred and the charred end placed in the ground to give them a longer life.

Fencing.—New fencing totals 601·57 chains, and repairing 193 chains. The cost totalled £288 8s. 9d., and 30 men were employed.

Maraenui North: The fencing on this section totalled 257·57 chains, commencing at the Motu Bridge and following the road to the sea and the mouth of the river. This enclosed an area estimated at 100 acres.

Maraenui South: A—West of main road (1) from bluff near river southwards to the school connecting with good fences; (2) Haenga's Corner to Waiponahu Stream; (3) along river to connect with good fences; (4) Waiponahu Stream to deep water in river. The total length of above lines is 210 chains, and encloses an area of 200 acres of flat land infested with ragwort. B—East of main road (1) from bluff near river south along main road to Oruakoiro; (2) from Oruakoiro eastwards to eastern boundary, and along eastern boundary northwards to Kumararekareka (Delamere's House); (3) Delamere's House, along north side of Saxby's Road to Houpoto Station boundary. These lines enclose an area of 120 acres and total 134 chains in length.

Stocking.—The place was stocked early in 1932 with 970 old ewes. These were carried through the winter to late spring, shorn, and then moved on to fern at Hinahinanui, Ohope, and finally to the Rotorua schemes, where, I understand, they were disposed of at a profit. They were replaced by 2,000 wethers, which in their turn were also moved along the chain of schemes to Rotorua. It is now carrying 1,500 old ewes (six and seven year old) which appear to be doing quite well on the ragwort. Within the fences the control with sheep was very effective, and the mortality due to poisoning was very low—about 1 per cent.

Wool.—Five bales of wool resulted from the shearing, and these were placed with Dalgety and Co. for disposal.

Work as at 31st March, 1933.—Summary of Work done and Relative Labour Cost.

Nature of Work.	Area, Length, or Number.	Labour Cost.	Number of Men employed.
Splitting posts, &c., and building floodgates, and delivery—		£ s. d.	
(1) Posts, at various prices	3,670	} 179 9 4	35
(2) Battens, and various prices	13,550		
(3) Strainers, at various prices	61		
(4) Flood-gates, at various prices	12		
Fencing—			
New, at various prices	607½ chains	266 2 9	19
Repairing, at various prices	193 chains	22 6 0	11
Scrub-cutting, at 15s. per acre	55 acres	41 5 0	4
Stumping, logging-up, and burning, at 10s. per acre	49 acres	24 10 0	4
Renovation—Harrowing, sowing, and manuring, at 10s. per acre	5 acres	2 10 0	1
Totals .. .. .	..	536 3 1	74

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Length, Number, or Area.	Labour Cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done as at 31st March, 1933.	Date of Completion.	Actual Cost.	Subsidy paid or payable.	Actual Number of Men employed.	Outstanding as at 31st March, 1933.	
												Work.	Subsidy.
B. 1	Post-splitting, &c., and delivery— (1) Manuka posts (2) Puriri, kohai, &c. (3) Strainers (4) Battens	1,400 100 30 5,000	£ s. d. 53 2 0	£ s. d. 27 0 0	24/2/33	10	1,400 100 30	27/2/33	53 2 0	27 0 0	11	..	£ s. d. ..
B. 2	Fencing, including clearing line	257½ ch.	122 14 9	63 0 0	24/2/33	8	257½ ch.	31/1/33	122 14 9	63 0 0	7	..	..
B. 3	Fencing, including clearing line	210 ch.	90 2 0	45 0 0	24/2/33	8	210 ch.	31/1/33	90 2 0	45 0 0	8	..	..
B. 4	Post-splitting, &c., and delivery— (1) Posts (2) Battens (3) Strainers (4) Flood-gates	1,100 5,200 14 3	69 13 6	35 0 0	3/3/32	11	1,100 5,200 14 3	31/3/33	69 13 6	35 0 0	11	..	..
B. 5	Fencing, including clearing and flood-gates*	134 ch.	52 13 0	..	25/6/32	4	134 ch.	16/11/32	{ 53 6 0 1 15 0 }	18 7 0	4	..	..
B. 6	Posts—Cutting, barking, charring, and delivery, at 30s. per 100	670	10 1 0	56 11 2	25/6/32	4	670	31/3/33	10 1 0	3 7 0	5	..	..
B. 7	Batten-splitting and delivery, at 10s. per 100	3,350	16 15 0	..	25/6/32	..	3,350	31/3/33	16 15 0	5 11 8	5	..	..
B. 8	Strainers—Splitting and delivery, at 3s. each	14	2 2 0	..	25/6/32	..	14	24/9/32	2 2 0	0 14 0	1	..	..
B. 9	Laying fence-line†	..	13 2 6	..	25/6/32	2	..	14/12/32	15 5 10	4 7 6	2	..	..
B. 10	Scrub-cutting, at 15s.	100 ac.	75 0 0	..	25/6/32	4	55 ac.	Not complete	41 5 0	..	4	45 ac.	33 15 0
B. 11	Fencing, &c.— Repairing Flood-gates Posts Strainers	193 ch. 8 400 3	22 6 0 3 8 0 6 0 0 1 7 0	11 0 0	25/8/32	8	193 ch. 8 400 3	31/3/33	{ 22 6 0 3 8 0 6 0 0 1 7 0 }	11 0 0	11	..	..
B. 12	Stumping, heaping, and burning, at 10s.	100 ac.	50 0 0	16 13 4	2/12/32	4	49 ac.	Not complete	24 10 0	..	4	51 ac.	25 10 0
B. 13	Discing, harrowing, grassing, and manuring	100 ac.	50 0 0	16 13 4	2/12/32	4	5 ac.	..	2 10 0	..	1	95 ac.	47 10 0
	Totals	..	638 6 9	270 17 10	..	67	..	..	536 3 1	213 7 2	74	..	106 15 0

* Additional cost, £2 8s.; additional subsidy, 16s.

† Excess, 434 posts; cost, £2 8s. 4d.

TE KAHA DEVELOPMENT SCHEME.—OMAIIO SECTION. (See Plan 30, G-10.)

WORK DONE TO 31ST MARCH, 1933.

Contracts.—Contracts for work estimated to cost £1,632 3s. and providing employment for 72 men were submitted and approved. Subsidies were allotted to the extent of £573 0s. 4d. At 31st March, 1933, the amount spent on the work was £1,675 13s., and the subsidies paid or payable amounted to £573 0s. 4d. There was an excess payment on the contract price of £43 10s., occasioned by the extra area of 21 acres scrub, a portion of which was grubbed standing. The total number of men employed was 76—individuals 30.

Work.—Work consisted of scrub-cutting, ploughing, discing, and harrowing, sowing and manuring, splitting posts, battens, and strainers, fencing, and access roading as set out in summary hereto.

Scrub-cutting.—The area covered by this work was 495 acres of light scrub, heavy manuka, and secondary bush. The total cost was £399 and the number of men employed 29. This area was burnt and surface-sown.

Ploughing, &c.—The total area of ploughing was 316 acres; of this area 295 $\frac{3}{4}$ acres were sown in grass; 7 $\frac{1}{4}$ acres in lucerne; and 13 acres were prepared for lucerne but not sown. Ploughing, discing, and harrowing of this area cost £363 8s., and 8 men were employed in the work.

Sowing and Manuring.—A total area of 798 acres was treated under this heading, and consisted of 495 acres of the scrubbed area and 303 acres of the area ploughed, including the lucerne patches. Total cost £79, and number of men employed 10.

Post-splitting, &c., and Access Road.—The posts were split on the Ohotu and Haparapara Blocks and battens on the Omaio and Whitianga Blocks. A short access road of 10 chains had to be constructed to enable the posts to be carted out. The cost was £5. The total number of posts split and delivered was 10,000, costing £500, battens 12,500, cost £62 10s., strainers 100, cost £50. The total number of men employed was 8.

Fencing.—The amount of fencing done totalled 510 chains at a cost of £216 15s., and employing 15 men. It consisted of the external boundary of the clearing and cultivation work done and two subdivision fences.

Pastures.—The total area pastured by the scheme was 790 $\frac{3}{4}$ acres grass and 7 $\frac{1}{4}$ acres lucerne. It is estimated that another 100 acres of pasture of sorts is available within the Scheme, thus making an approximate total for stock of 900 acres.

Dairying.—It is proposed to commence dairying upon this area next season and arrangements are in hand for the building and equipment of 5 cow-sheds. The sheds have been allotted to the following persons:—

Shed No. 1.—Tu Gage and Son	131 acres	30 heifers.
Shed No. 2.—Te Ara Ngamoki and Son	145 "	48 "
Shed No. 3.—Rawiri Kopu and Haunui Hati	126 "	30 "
Shed No. 4.—Tawhai Bros.	125 "	30 "
Shed No. 5.—Ngamoki Bros.	183 "	57 "
	710 acres	195 heifers.

Sheds Nos. 2 and 5 will be equipped with milking-machines, three cow plants of the McL. Wallace make.

The balance of the grassed area estimated at 190 acres will carry the weaner heifers (123) for the 1934 milking season, and if necessary the above farmers will be required also to graze a proportion of the weaners.

Haymaking.—Eleven tons of hay and 5 tons of ensilage were harvested during the year.

Buildings.—A temporary store-shed was built from slabs and roofed with condemned railway tarpaulins.

Summary of Work done and Relative Labour Cost, 31st March, 1933.

Nature of Work.	Area, Length, or Number.	Labour Cost.	Number of Men employed.	Remarks.
Scrub-cutting	495 acres	£ 399 0 0	29	..
Ploughing, discing, and harrowing	316 acres	363 8 0	8	..
Splitting and delivery—				
Posts	10,000 ..	500 0 0	15	..
Battens	12,500 ..	62 10 0		
Strainers	100 ..	50 0 0		
Access roading	10 chains	5 0 0		
Sowing and manuring	798 acres	79 0 0	10	790 $\frac{3}{4}$ acres grass; 7 $\frac{1}{4}$ acres lucerne.
Fencing	510 chains	216 15 0	15	..
Totals .. ..	..	1,675 13 0	76	..

Top-dressing of old pastures—Spring 1931, 80 acres (includes Whitianga 20 acres. Super only).

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Labour Cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done as at 31st March, 1933.	Date of Completion.	Actual Cost.	Actual Subsidy paid.	Actual Number of Men employed.
C. 1 ..	Scrub-cutting, at 15s. ..	474 acres	£ s. d. 355 10 0	£ s. d. 177 15 0	10/12/31	27	495 acres	30/11/32	£ s. d. 399 0 0*	£ s. d. 177 15 0	29
C. 2 ..	Ploughing, discing, and harrowing, at 23s. ..	316 acres	363 8 0	90 17 0	10/12/31	8	316 acres	11/3/33	363 8 0	90 17 0	8
C. 3 ..	(1) Splitting and delivery— Posts, at £5 per 100 .. Battens, at 10s. per 100 .. Strainers, at 10s. each ..	10,000 7,500 100	592 10 0	197 10 0	10/12/31	8	{ 10,000 7,500 100	11/3/33	592 10 0	197 10 0	8
C. 4 ..	(2) Roading, at 10s. per chain ..	10 chains	216 15 0	72 5 0	25/6/32	15	10 chains	24/2/32	216 15 0	72 5 0	15
C. 5 ..	Fencing, at 8s. 6d. per chain ..	510 chains	79 0 0	26 6 8	25/6/32	10	798 acres	11/3/33	79 0 0	26 6 8	10
C. 1/1	Sowing and manuring, at 2s. per acre .. Splitting and delivery—Battens, at 10s. per 100	790 acres 5,000	25 0 0	8 6 8	9/12/32	4	5,000	14/1/33	25 0 0	8 6 8	6
		..	1,632 3 0	573 0 4	..	72	..	..	1,675 13 0	573 0 4	76

* 43 10s. over contract price; subsidy unaltered.

TE KAHA DEVELOPMENT SCHEME.—TE KAHA PROPER. (See Plan 30, G.—10.)

WORK DONE TO 31ST MARCH, 1933.

Contracts.—Contracts for work estimated to cost £1,158 were approved, and subsidies totalling £480 13s. 4d. were allotted. Up to the 31st March, 1933, £694 18s. was spent on various works, and the amount of contracts outstanding totalled £463 2s. The subsidies paid or payable on the contracts completed amounted to £320 13s. 4d., and £160 was outstanding on one uncompleted contract. The number of men employed was 86—individuals 38.

Work.—This is set out in the summary hereto and comprises scrub-cutting, ploughing, sowing and manuring, renovation of pastures, post and batten splitting, fencing, general improvements to the Whanau-a-te-Ehutu Marae, and the building of a store-shed.

Scrub-cutting, Sowing, and Manuring.—This was done on a portion called Kinakina, comprising about 80 acres flat and 120 acres of hill country. The total cost was £150, and 27 men were employed. It was burnt off, surface-sown, and manured for £20, and the work employed 9 men.

Ploughing, &c., Sowing, and Manuring.—The work done under this heading totalled 166 acres. The area upon which payment was made for labour was 147 acres for £153 10s., and gave employment to 5 men. Nineteen acres ploughing and the sowing and manuring for the whole of the 166 acres were done by the units themselves free of cost. In addition 38 acres of pasture were renovated.

Splitting, &c.—Contracts for post and batten splitting to complete the Kinakina fence-lines were let. Five hundred posts and 8,000 battens were delivered under these contracts at a total cost of £75, providing employment for 8 men.

A further contract to provide posts and battens for all units under the Scheme was also let. At the close of the financial year 240 posts and 500 battens had been delivered at a total cost of £16 18s. It was stated that a further 500 posts had been split at the stump, but as the contract is at a delivered price no payments were made on these, and totals of 5,760 posts and 23,500 battens were shown as the uncompleted portion of the contract at 31st March, 1933. Thirteen men were employed.

Fencing.—The fencing contract let was to enclose the Kinakina area of 200 acres. The whole length of this line was 260 chains, and the labour cost amounted to £110 10s. Six men were employed. Other fencing is estimated on the wire issued at 160 chains. This would be a conservative estimate as it was based upon seven-wire fences.

Marae Improvements.—These were effected on what is known as Te Whanau-a-Te Ehutu Marae. It is situated midway along the tribal territory and is the common meeting-ground of the various sub-tribes of the Whanau Apanui Tribe when big functions take place. The work was made urgent by the fact that His Excellency the Governor-General was to visit the district towards the end of March. Tribal prestige demanded that the Marae be made a fit courtyard for the reception and entertainment of such a distinguished visitor, so that the work set out in summary hereto was undertaken and completed at a total cost of £92, and employed 16 men.

Water-supply.—Under memorandum dated the 13th November, 1931, proposals and estimates for a water scheme to supply 592 acres of dairying land at Te Kaha were submitted. The estimates provided for the expenditure of £1,000 including the cost of supervision. The Scheme was authorized in December of the same year, but work did not commence till February, 1932. Labour was offered free, and comprised the construction of a reservoir with a capacity of 33,000 gallons, the laying of seven miles of pipe-line and connecting to cow-sheds and dwellings, and the construction of troughs.

At the close of the 1931–32 financial year it was found necessary to extend the water scheme to include a further area of 53 acres, so that at 31st March, 1933, water was being supplied to 25 consumers, occupying a total area of 645 acres. The total cost at the close of the financial year stood at £1,132 2s. 5d., including cost of survey.

The Secretary of the Te Kaha Dairy Company advised that the water was responsible for an increase of 20 per cent. in the supply from the Te Kaha farmers during the summer months of 1932.

Buildings.—A store-shed, with a lean-to as an implement-shed, was erected as a depot at which requirements for the settlers may be received and stored, and from which they may be issued. The total labour cost of erection was £22, and 2 men were employed.

Top-dressing.—Twenty tons of super was supplied for the top-dressing of 200 acres of old pasture in the spring of 1931, but since then no manure has been applied to old pastures.

Haymaking.—This Scheme is very backward in this respect, and a conservative estimate of hay saved would be 20 tons.

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Labour Cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done to 31st March, 1933.	Date of Completion.	Actual Labour Cost.		Actual Subsidy paid.		Actual Number of Men employed.	Outstanding as at 31st March, 1933.	
									£ s. d.	£ s. d.	£ s. d.	£ s. d.		Work.	Subsidy.
D. 1	Scrub-cutting, at 15s.	200 acres	£ 150 0 0	£ 50 0 0	1/3/32	27	200 acres	19/3/33	£ 150 0 0	£ 50 0 0	27	..	£ ..	£ ..	
D. 2	Ploughing, discing, &c., at various prices	147 acres	£ 153 10 0	£ 51 3 4	1/2/32	5	147 acres	13/3/33	£ 153 10 0	£ 51 3 4	5	..	£ ..	£ ..	
D. 3	Fencing, at 8s. 6d. per chain	260 chains	£ 110 10 0	£ 36 16 8	1/2/32	6	260 chains	9/3/33	£ 110 10 0	£ 36 16 8	6	..	£ ..	£ ..	
D. 4	Splitting battens and delivery	8,000	£ 40 0 0	£ 10 0 0	1/2/32	6	8,000	9/3/33	£ 40 0 0	£ 10 0 0	6	..	£ ..	£ ..	
D. 5	Sowing and manuring, at 2s. per acre	200 acres	£ 20 0 0	£ 6 13 4	25/6/32	9	200 acres	15/3/33	£ 20 0 0	£ 6 13 4	9	..	£ ..	£ ..	
D. 6	Post-splitting and delivery, at £7 per 100	500	£ 35 0 0	£ 11 13 4	25/6/32	3	500	30/9/33	£ 35 0 0	£ 11 13 4	2	..	£ ..	£ ..	
D. 7	Post-splitting, &c., and delivery— Posts, at £6 per 100 Battens, at 10s. per 100	6,000 24,000	£ 360 0 0 £ 120 0 0	£ 120 0 0 £ 40 0 0	25/8/32 25/8/32	6 6	240 500	..	£ 14 8 0 £ 2 10 0	£ .. £ ..	8 5	5,760 23,500	£ 345 12 0 £ 117 10 0	£ 120 0 0 £ 40 0 0	
D. 8	Excavating, filling, and preparing ground for sowing Road formation and metalling Drainage and building culverts Cleaning up, &c., repairing fences .. Pulling down, removing, re-erecting, and painting Painting Ehtutu Meeting-house .. Extension, levelling, and filling .. Dismantling Aokatoa Meeting-house .. Building store-shed ..	4½ chains 6 chains 22 chains, fence 300 yards	£ 10 0 0 £ 2 10 0 £ 5 0 0 £ 22 10 0 £ 5 0 0 £ 37 0 0 £ 22 0 0	£ 95 0 0 £ 95 0 0 £ 7 6 8	26/1/33 9/3/33 ..	10 2 4 2	4½ chains 6 chains 300 yards	15/3/33 15/3/33 11/3/33 13/3/33	£ 95 0 0 £ 95 0 0 £ 7 6 8	£ 95 0 0 £ 95 0 0 £ 7 6 8	10 2 4 2	£ .. £ .. £ .. £ .. £ .. £ .. £ .. £ ..	£ .. £ .. £ .. £ .. £ .. £ .. £ .. £ ..	£ .. £ .. £ .. £ .. £ .. £ .. £ .. £ ..
D. 9	..	..	£ 1,158 0 0	£ 480 13 4	..	86	..	..	£ 694 18 0	£ 320 13 4	86	..	£ 463 2 0	£ 160 0 0

TE KAHA DEVELOPMENT SCHEME.—ORETE SECTION. (See Plan 30, G.—10.)

REPORT ON WORK DONE TO 31ST MARCH, 1933.

This Scheme is divided into two subsections—namely, (1) Orete Units for dairying, and (2) Orete No. 2 for sheep and cattle raising.

Contracts.—Contracts for work estimated to cost £680 12s. and providing employment for 23 men were submitted and approved, and subsidies amounting to £282 11s. were allotted. At 31st March, 1933, the total sum of £420 13s. 6d. was paid for work done, and subsidies amounting to £125 16s. were paid or payable. The number of men actually employed was 38—individuals 12. Contract outstanding (Orete No. 2 only) amounted to £259 18s. 6d., subject to subsidies totalling £156 15s.

Work.—Orete Units: This is set out in the contracts schedule and summary hereto, and comprises the clearing of 30 acres of scrub and the ploughing, discing, harrowing, and sowing of 328 acres, at a total cost of £350 10s. In addition, 108 acres were ploughed and sown and 60 chains (estimated) of fencing erected at no cost for labour. The total area pastured by the Scheme is 466 acres. Milking will commence this coming season upon 366 acres of the above, and 129 springing heifers have been allotted to five units, four of whom will be new suppliers.

The amount of hay harvested from the above area was 9 tons. No local administration costs were incurred; Moana Waititi gave his services as foreman free.

Orete No. 2: The work on this block was confined to making the fences sheep and cattle proof, and at the end of the financial year £70 3s. 6d. had been spent on the work as set out in the summary hereto. It might be mentioned here that the work did not commence till January of this year. A committee of management was appointed by the owners to supervise the work, and a shepherd-manager to look after the stock.

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Labour-cost.	Subsidy approved.	Date of Approval.	Number of Men to be employed.	Work done to 31st March, 1933.	Date of Completion.	Actual Labour-cost.	Actual Subsidy paid.	Actual Number of Men employed.	Outstanding as at 31st March, 1933.		
												Work.	Subsidy.	
E. 1 ..	Ploughing, discing, harrowing, sowing, and manuring, at 20s. per acre ..	328 acres	£ s. d. 328 0 0	£ s. d. 110 0 0	24/2/32	10	328 acres	9/3/33	£ s. d. 328 0 0	£ s. d. 110 0 0	10	..	£ s. d. ..	
E. 2 ..	Scrub-cutting, at 15s. per acre ..	30 acres	22 10 0	7 10 0	25/6/32	3	30 acres	28/6/32	22 10 0	7 10 0	7	..	..
E. 3 ..	Fencing— New .. Repairing .. Laying fence-line .. Clearing ..	30 chains 720 chains 750 chains 350 chains	226 0 0	113 0 0	18/3/33	10	148 chains	..	34 13 0	..	6	676 chains	191 7 0	
E. 4 ..	Splitting— Posts, at £2 10s. Battens, at 5s. Strainers, at 4s. Road and track making .. Repairing stockyards .. Making new gates ..	2,500 6,000 50 15 chains 2 yards 20	87 10 0	43 15 0	18/3/33	10	650 750 4	..	18 18 6	..	8	1,850 5,250 46	68 11 6	
E. 5 ..	..	..	16 12 0	8 6 0	2/2/33	..	..	7/3/33	16 12 0	8 6 0	7	..	..
Totals	..	..	680 12 0	282 11 0	..	23	..	..	420 13 6	125 16 0	38	..	259 18 6
														156 15 0

Summary of Work done to 31st March, 1933, and Relative Labour-cost.

Nature of Work.	Labour.	Area, Length, or Number.	Labour-cost.	Number of Men employed.
Scrub-cutting, sowing, and manuring, Orete units ..	Contract ..	30 acres	£ s. d. 22 10 0	7
Ploughing, &c., sowing, and manuring, Orete units	{ Contract .. Free labour ..	{ 328 acres 108 acres	{ 328 0 0 ..	{ 10 ..
Fencing*— New, Orete units .. Repairing, Orete No. 2 ..	{ Free labour .. Contract ..	{ 60 chains 148 chains	{ .. 34 13 0	{ .. 6
Splitting— Posts, Orete No. 2 .. Battens, Orete No. 2 .. Strainers, Orete No. 2 ..	" .. " .. " ..	{ 650 750 4	{ 18 18 6	{ 8
Road and track formation, Orete No. 2 ..	" ..	15 chains	16 12 0	7
Repairing stockyards, Orete No. 2 ..	" ..	2	..	..
Making new gates, Orete No. 2 ..	" ..	20	..	..
Totals	..	..	420 13 6	38
NOTE.—No top-dressing of old pastures— Orete units ..	..	..	£ s. d. 350 10 0	17
Orete No. 2 ..	..	..	70 3 6	21
			420 13 6	38

* Own posts and battens.

TE KAHA DEVELOPMENT SCHEME.—WHANGAPARAOA SECTION. (See Plan 30, G.—10.)
REPORT ON WORK DONE TO 31ST MARCH, 1933.

Contracts.—Unemployment contracts for work estimated to cost £2,338 17s. and providing for the employment of 183 men were approved, and subsidies amounted to £913 2s. 3d. were allotted. The position at the 31st March, 1933, as shown by the schedule of contracts hereto is that a total sum of £1,934 19s. was expended, and the total amount of subsidies paid or payable was £675 8s. 11d. Contracts outstanding amounted to £411 13s., and subject to subsidies totalling £237 13s. 4d. The total number of men employed on the various contracts was 205—actual individuals 55.

Work.—Work commenced on this section of the scheme early in January, 1932. It was subdivided into two subsections, namely:—

(a) Whangaparaoa Proper, comprising Whangaparaoa 1A (part) and 1B, and the Crown sections.

(b) Whangaparaoa Units—namely, Hirina Waititi, Kuaha Waititi, and Honana Maioha.

For the purpose of this report the work on the two sections will be shown separately.

Scrub-cutting.—(a) Whangaparaoa Proper: 519 acres, cost £432 1s. Number of men employed, 49. This work was done on the tableland, 231 acres; flats along the Whangaparaoa River, 188 acres; and the extension of the tableland area east to the river and south-west to the boundary of Whangaparaoa 1A, 100 acres.

(b) Units: 246½ acres, cost £176 10s. Number of men employed, 12. The location of the work is set out on the summary hereto.

Roading.—(a) Whangaparaoa Proper: (1) 18 chains, cost £12; employed 3 men to provide temporary access to the tableland. (2) Clearing slips from Potaka to McLernon's homestead on the Main East Coast Highway.

(b) Units: 180 chains, cost £150. Number of men employed 32. Formation and cutting back corners and widening road from Oruaiti Beach to Whangaparaoa Beach, including beach access.

Stumping, &c.—Whangaparaoa Proper: 195 acres, cost £179 5s. Number of men employed, 19. Stumping 61 acres of scrubbed area on tableland in preparation for the plough and digging wiwi and toetoe and stumps on the flats, 97 acres—area to be ploughed; digging wiwi and toetoe, and generally cleaning up and top-dressing paddocks Nos. 3, 4, and 6, 37 acres.

Ploughing, Discing, and Harrowing.—Whangaparaoa Proper: 86 acres, cost £101 5s. Number of men employed, 3. Tableland (61 acres) above stumped, and 25 acres on Flat No. 1 (holding paddock), being part of 97 acres, cleaned of wiwi, &c.

Units: 140½ acres, cost £161 11s. 6d. Number of men employed, 4 (as set out in summary hereto).

Sowing and Manuring.—Whangaparaoa Proper: 306 acres, cost £30 13s. Number of men employed, 16. Tableland: 120 acres burn; 25 acres scattered burns and bare patches; 25 acres old grass and sidelings top-dressed; 61 acres ploughed area.

Flats: 25 acres ploughed area and 67 acres scattered burns on Flats Nos. 1 and 2, and 8 acres old grass top-dressed. Total, 273 acres grassed and manured and 33 acres top-dressed.

Units: 170½ acres, cost £14 1s. Number of men employed, 6. Honana Maioha (54 acres) and Kuaha Waititi (86½ acres) being scrubbed and ploughed, and Hirina Waititi (30 acres), being part of area of 60 acres, scrubbed.

Draining.—Whangaparaoa Proper: 160 chains, cost £69. Number of men employed, 6.

Units: 60 chains, cost £37 10s. Number of men employed, 3 (as set out in summary hereto).

Fencing.—Whangaparaoa Proper: New erection—207 chains on tableland external boundary fence and fence round ploughed area; 77 chains on flat. Repairing 47 chains of tableland external fence, 40 chains on No. 3 Flat, 222½ chains along road from landing-shed to river-crossing. Clearing 190 chains of tableland lines. Stripping fences and digging up posts and coiling wires, 538 chains of back-line fences on Whangaparaoa 1B. Stripping yielded 1,400 posts, 2¼ tons plain wire, and ½ ton barb-wire. Total cost of above work, £209 18s., and men employed numbered 25.

Units: Kuaha Waititi (140 chains), being external boundary of 86½ acres, sown. Honana Maioha, 80 chains to close his area of 54 acres sown. Total cost of this work £55, and number of men employed 3.

Splitting and Delivery.—Whangaparaoa Proper: 1,700 battens, cost £15 14s. 6d. Number of men employed, 2. 1,400 were dug up from the fences on back lines and packed out at a cost of £29 8s. The packing was not included in a contract. A further 16,000 battens were supplied from Potaka at a cost of 17s. per 100 delivered on Whangaparaoa Scheme, the unemployment subsidy received being £40—i.e., 5s. per 100.

Units: 2,000 posts, 8,000 battens, and 100 strainers were split on Honana Maioha's section and delivered to the roadside at a total cost of £200, and the number of men employed was 3.

Pastures.—Whangaparaoa Proper: These are sufficiently established to warrant subdividing for dairying, and it is proposed to start three herds this season on a total area of 275 acres grass to carry 90 heifers. The balance of 68 acres good pasture and about 80 acres of rough pasture on No. 2 Flat will carry the weaner heifers for next year.

Units: Two new sheds will be started this season on—(1) Kuaha Waititi (86½ acres grassed), 30 heifers; and (2) Honana Maioha (54 acres grassed), 20 heifers.

Other Work.—Whangaparaoa Proper: Pulling down old wool-shed and blacksmith shop and dismantling yards. The timber has been cut up, and, with the good iron, is to be used for cow-sheds.

Buildings.—Whangaparaoa Proper: These comprise the landing-shed purchased for £30 and now used as a store-shed for materials and supplies other than grass-seed; grain-store (iron building), now grass-seed depot; store and post-office, stables, and cottage. With the exception of the store-shed, the remaining buildings were purchased or transferred from the Crown.

Summary of Work done to 31st March, 1933, and Relative Labour-cost.

Nature of Work.	Whangaparaoa Proper.				Whangaparaoa Units.					
	Area, Length, or Number.	Labour-cost.	Number of Men employed.	Remarks.	Unit.	Area, Length or Number.	Labour-cost.	Number of Men employed.	Remarks.	
Scrub-cutting, &c. . .	A. R. P.	£ s. d.		Tableland area. Flats 1 and 2. Whangaparaoa Extension. Not yet burnt.	Hirana..	A. R. P.	£ s. d.		Whangaparaoa 2B. Whangaparaoa 1A part east of road. Whangaparaoa 1A part sea-front section; low terrace. Oruaiti No. 2 part.	
	231 0 0	203 11 0	25		Kuaha..	60 0 0	54 0 0	3		
	188 0 0	168 15 0	10		Kuaha..	86 2 0	45 0 0	3		
	100 0 0	59 15 0	14		50 0 0	37 10 0	2			
Roading . . .	519 0 0	432 1 0	49	Temporary access to tableland. Clearing slips, &c., on Potaka-McLermans Road.	Honana	50 0 0	40 0 0	4	Oruaiti Beach to Whangaparaoa Beach.	
	18 chains	12 0 0	3		Honana	246 2 0	176 10 0	12		
	..	70 0 0	18		Kuaha	180 chains	150 0 0	32		
Stumping, digging wivi and toetoe, &c., and top-dressing	18 chains	82 0 0	21		180 chains	150 0 0	32			
	A. R. P.			Area for ploughing—viz., 61 acres of scrubbed area on tableland, 25 acres on Flat No. 1 (now ploughed and sown), 72 acres on Flat No. 2 (37 acres on flat); cleaning up and top-dressing.	
	158 0 0									
37 0 0	179 5 0	19								
Ploughing, discing, and harrowing	86 0 0	101 5 0	3	Tableland 61 acres and No. 1 Flat (holding-paddock) 25 acres.	Kuaha..	A. R. P.			Scrubbed area above. Scrubbed area above plus 4 acres at homestead.	
	..	..	..		Honana	86 2 0	99 9 6	3
Sowing and manuring	120 0 0	18 13 0	8	Tableland area, less ploughed area. Area actually covered by operations, 170 acres. 25 acres, being old grass, top-dressed only. Ploughed areas and part Flats Nos. 1 and 2, 153 acres sown and manured, and 8 acres old grass on Flat No. 3 top-dressed.	Kuaha..	140 2 0	161 11 6	4	Scrubbed and ploughed areas above. Part of 60 acres scrubbed. Balance for spring sowing.	
	25 0 0	..	..		Honana	54 0 0	5 8 0	3
	153 0 0	12 0 0	8		Hirana..	30 0 0	Nil	..		
	8 0 0							
	273 0 0	30 13 0	16							
Draining . . .	33 0 0	69 10 0	7	Tableland to Waipapa Stream and on Flats Nos. 1, 2, and 3.	Kuaha..	60 chains	37 10 0	3	On low terrace.	
							
Fencing— New erection Repairing Stripping, coiling-up, &c. Clearing line	284 chains	209 18 0	25	Tableland, external and ploughed area, 207 chains; Flat, 77 chains. Tableland, external, 47 chains and 40 chains. No. 3 Flat, 120½ chains along road from landing-shed to pine-trees, 102 chains along terrace to crossing. Back lines on Whangaparaoa 1B. Tableland ridges.	Kuaha..	140 chains	35 0 0	3	Round 86½ acres; portion scrubbed, ploughed, and sown. Enclosing 54 acres scrubbed, ploughed, and sown.	
	309½ "	..	..		Honana	80 chains	20 0 0	..
	538 "	209 18 0	25							
	190 "							
Splitting and delivery— Posts Battens Strainers	..	209 18 0	25	From back lines after stripping.	Honana	220 chains	55 0 0	3	Out of Oruaiti No. 2 Bush.	
	1,440	15 14 6	2		Honana	2,000	160 0 0	3		
	1,700	..	..		Honana	8,000	30 0 0	..
	..	..	..		Honana	100	30 0 0	..
	..	15 14 6	2							
Grand totals	1,120 6 6	142		..	814 12 6	63			

NOTE.—70 acres old pasture cleaned up and top-dressed.

Unemployment Contracts as at 31st March, 1933.

Contract No.	Nature of Work.	Area, Length, or Number.	Estimated Labour-cost.	Subsidy approved.		Date of Approval.	Number of Men to be employed.	Work done as at 31st March, 1933.	Date of Completion.	Actual Cost.		Actual Subsidy.		Actual Number of Men employed.	Outstanding as at 31st March, 1933.	
				£	s. d.					£	s. d.	£	s. d.		Work.	£	s. d.
F. 1A ..	Roading—Call price	2½ miles..	150 0 0	100 0 0	4/2/32	32	2½ miles..	13/2/32	159 0 0	100 0 0	..	..	32	..	..
F. 2B ..	Scrub-cutting—	231 acres	203 11 0	67 17 0	24/3/32	33	367½ acres	30/4/32	288 11 0	95 12 0	..	..	32	..	..
F. 2C ..	At various prices	86½ acres	43 5 0	14 8 4	24/3/32	2	86½ acres	31/3/33	99 9 6	33 3 2	..	..	3	..	..
F. 2D ..	At 10s. per acre*	50 acres	40 0 0	13 6 8	24/3/32	3	86½ acres	31/3/33	99 9 6	33 3 2	..	..	3	..	..
F. 3A ..	At various prices	86½ acres	99 9 6	33 3 2	25/6/32	3	86½ acres	31/3/33	99 9 6	33 3 2	..	..	3	..	..
F. 3B ..	Ploughing, disking, &c., at 23s. per acre	86½ acres	8 13 0	2 17 8	25/6/32	2	140 chains	28/2/33	33 0 0	11 13 4	..	..	3	..	..
F. 3C ..	Sowing and manuring, at 2s.	140 chains	35 0 0	11 13 4	25/6/32	2	60 chains	28/2/33	33 0 0	11 13 4	..	..	3	..	..
F. 3D ..	Fencing, at 5s. per chain	60 chains	37 10 0	12 10 0	25/6/32	2	60 chains	28/2/33	37 10 0	12 10 0	..	..	3	..	..
F. 3E ..	Draining, at 12s. 6d. per chain	50 acres..	37 10 0	12 10 0	25/6/32	3	50 acres	30/11/32	37 10 0	12 10 0	..	..	2	..	..
F. 4A ..	Scrub-cutting, at 15s. per acre	54 acres..	62 2 0	62 2 0	25/6/32	3	54 acres	30/11/32	62 2 0	62 2 0	..	..	2	..	..
F. 4B ..	Ploughing, disking, &c., at 23s. per acre	54 acres..	5 8 0	5 8 0	25/6/32	7	54 acres	11/3/33	5 8 0	5 8 0	..	..	7	..	..
F. 4C ..	Sowing and manuring, at 2s. per acre	2,000	160 0 0	100 10 0	25/6/32	2	2,000	11/3/33	160 0 0	100 10 0	..	..	2	..	..
F. 4D ..	Post-splitting and delivery†	8,000	24 0 0	30 0 0	25/6/32	2	8,000	11/3/33	30 0 0	30 0 0	..	..	2	..	..
F. 4E ..	Posts, at £8 per 100	100	30 0 0	30 0 0	25/6/32	2	100	11/3/33	30 0 0	30 0 0	..	..	2	..	..
F. 4F ..	Battens, at 6s. per 100	80 chains	20 0 0	18 0 0	25/6/32	2	80 chains	27/8/32	18 0 0	18 0 0	..	..	2	..	..
F. 4G ..	Strainers, at 6s. each	60 acres..	54 0 0	54 0 0	25/6/32	2	60 acres..	27/8/32	54 0 0	54 0 0	..	..	2	..	..
F. 4H ..	Fencing, at 5s. per chain	40 chains	25 0 0	8 6 8	25/6/32	2	40 chains	24/3/32	15 14 6	5 4 10	..	..	2	40 ch.	25 0 0
F. 4I ..	Draining, at 12s. 6d. per chain	1,700	15 14 6	5 4 10	25/6/32	2	1,700	24/3/32	15 14 6	5 4 10	..	..	2	..	..
F. 4J ..	Batten-splitting and delivery and laying, at various prices	284 ch.	192 1 0	64 0 4	..	19	284 chains	24/2/33	192 1 0	64 0 4	..	..	19	..	..
F. 4K ..	New fencing	207½ ch.	179 5 0	59 15 0	..	19	207½ ch.	18/3/33	179 5 0	59 15 0	..	..	19	..	..
F. 4L ..	Repairing	190 ch.	69 10 0	23 3 4	..	7	190 chains	18/3/33	69 10 0	23 3 4	..	..	7	..	..
F. 4M ..	Clearing lines	538 ch.	18 13 0	6 4 3	..	8	538 chains	18/3/33	18 13 0	6 4 3	..	..	8	..	..
F. 4N ..	Stripping and coiling wires	195 acres	12 0 0	4 0 0	..	3	195 acres	28/6/32	12 0 0	4 0 0	..	..	3	..	..
F. 4O ..	Clearing, stumping, digging wiwi, and generally cleaning up, and top-dressing	160 chains	60 0 0	42 3 4	..	4	160 chains	Part only	17 17 0	..	..	..	4	200 ch.	60 0 0
F. 4P ..	Draining, at various prices	145 acres	18 13 0	6 4 3	..	10	145 acres	18/3/33	18 13 0	6 4 3	..	..	10	278 ch.	48 13 0
F. 4Q ..	Mixing, sowing, and spreading grass-seed and manure, at call prices	18 chains	12 0 0	4 0 0	..	1	18 chains	..	12 0 0	4 0 0	..	..	1	..	..
F. 4R ..	Roading—Access, at call price	200 chains	60 0 0	42 3 4	..	10	200 chains	..	60 0 0	42 3 4	..	..	10	..	..
F. 4S ..	Fencing—	380 chains	168 15 0	56 5 0	..	1	380 chains	..	168 15 0	56 5 0	..	..	1	..	..
F. 4T ..	New, at 6s. per chain	170 acres	190 0 0	63 6 8	-/8/32	1	170 acres	..	190 0 0	63 6 8	..	..	1	84 ac.	88 15 0
F. 4U ..	Repairing, at 3s. 6d. per chain	358 acres	40 0 0	13 6 8	-/8/32	15	358 acres	..	40 0 0	13 6 8	..	..	15	197 ac.	28 0 0
F. 4V ..	Scrub-cutting and clearing rushes and toetoe, at various prices	244 acres	221 0 0	110 10 0	20/3/33	17	244 acres	..	221 0 0	110 10 0	..	..	17	144 ac.	161 5 0
F. 4W ..	Ploughing, disking, &c., at various prices	..	70 0 0	70 0 0	..	183	..	24/12/32	70 0 0	70 0 0	..	..	18	..	..
F. 4X ..	Sowing and manuring, at call prices..	..	2,338 17 0	913 2 3	..	183	..	..	1,934 19 0	675 8 11	..	..	205	..	411 13 0
F. 4Y ..	Scrub-cutting, at various prices	..	..	..	..	..	..	..	..	..	..	..	..	..	237 13 4
F. 4Z ..	Roading—Clearing slips, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
G. 1 ..	Totals ..	..	..	..	..	183	..	..	1,934 19 0	675 8 11	..	..	205	..	411 13 0

* 10s. extra per annum allowed on 3½ acres on F. 2C. † Extra 1s. 6d. per hundred allowed.

BAY OF PLENTY DEVELOPMENT SCHEMES.
 Summary of Work done to 31st March, 1933, and Relative Labour Cost.
 (To be read together with Contracts, Schedules, and Summaries.)

Scheme.	Clearing : Scrub-cutting, Stumping, Grubbing.	Cultivation : Ploughing, Disking, Harrowing.	Grassing and Manning.		Splitting and Delivery.		Fencing.		Draining.	Roading, and Culverts and Bridges.	Other Work under Contract.	Total Labour Cost as per Contracts only.		Total Subsidy paid payable on Contracts completed.		Total Men employed.	
			A.	R. P.	Posts.	Battens.	Strain- ers.	Stripping, &c., and Repairing.				New, and Flood-gates.	£	s. d.	£	s. d.	As per Contracts.	Actual In- dividuals.
Ruatoki— A Scheme	..	A. R. P. 1,326 1 12	A. R. P. 1,326 1 12	A. R. P. 1,326 1 12	..	..	..	2,560	122	8 99 385 6 314	Clearing ragwort ..	£ 2,427 8 9	£ 795 7 3	259	127
C Scheme	..	1,119 3 9	1,119 3 9	1,119 3 9	1,294.43	301	
Whakatohea— A Hinahanui	..	223 2 0	150 0 0 ²	167 0 0	..	10,000	244.3	50	203	..	..	829 1 0	306 1 4	114	36
B Opape Base Farm	..	40 0 0	..	40 0 0	..	300	114.4	75	..	..	..	146 15 0	37 15 0	10	..
C Whakatohea Units ⁵	..	303 0 0	21 0 0	324 0 0	..	..	560	..	..	..	..	64 15 9	..	15	12
D Wainui ⁷	..	106 3 0	5 0 0	5 0 0	20	..	66.9	71	..	..	..	299 10 0	92 9 4	37	29
Torete	441 3 0	8 2 0	106 3 0	..	..	110.5	90	26	..	..	..	..	..	..
Te Kaha— A Maraenui	..	104 0 0	5 0 0	5 0 0	61	13,550	121.0 601.57	..	..	..	..	536 3 1	213 7 2	74	16
B Omaio	..	495 0 0	316 0 0	790 3 0	100	12,550	510 160	..	10	..	..	1,675 13 0	573 0 4	76	30
C Te Kaha Proper	..	200 0 0	166 0 0	357 0 0	..	8,500	260	6	4½	..	..	694 18 0	320 13 4	86	38
D Te Waiti ¹⁴	..	30 0 0	436 0 0	466 0 0	4	750	60	..	..	..	..	350 10 0	125 16 0	38	12
E/1 Orete Units ¹⁵	70 3 6	..	..	..
E/2 Orete No. 2	650	148	..	15	..	..	..	..	..	..
F/1 Whangaparaoa Proper	..	{ 158 0 0 ¹⁶ 519 0 0 }	86 0 0	278 0 0	..	1,440 ¹⁸	538 ¹⁷ 309½	284	160	18	..	1,120 6 6	675 8 11	142	55		
F/2 Whangaparaoa Units	..	246 2 0	140 2 0	170 2 0	100	8,000	..	220	60	180	..	814 12 6	..	63	..		
	..	158 0 0 ¹⁹ 3,829 1 9	150 0 0 ²⁰ 38 0 0 ²⁵ 3,720 0 21	16 1 0 ²¹ 38 0 0 ²⁶ 5,633 3 21	285	55,050	538 ²² 672.5	12 ²³ 7,565	935	14 ²⁴ 99 ²⁷ 1,155.5	..	9,029 17 1	3,139 18 8	914	355		

¹ Seven culverts, 1 bridge; 99 chains metalling. No costs incurred on cultivation, grassing, &c., and fencing. One culvert, 3 bridges.
² 150 acres harrowed only; 30 acres, Mikaere. No labour cost.
³ 84 chains, Mikaere. No labour cost.
⁴ 34 chains not contract—farm staff work.
⁵ No labour costs incurred on this section.
⁶ As per contracts. No contracts completed as at 31st March, 1933.
⁷ Done prior to contract system. Total cost, £235 16s. 163½ acres clearing, &c. All cultivation and grassing, &c. Free labour.
⁸ 40 chains contract, 480 chains estimated, and labour free.
⁹ 193 chains repairing.
¹⁰ 12 flood-gates.
¹¹ 7½ acres lucerne; 13 acres more prepared but not sown.
¹² 108 acres ploughing, &c., and
¹³ Stumping and grubbing after discing and harrowing, and sown. Renovation.
¹⁴ 38 acres discing and harrowing, and sown. Renovation.
¹⁵ 9 acres lucerne. Free labour. Estimated area.
¹⁶ 158 acres stumping and grubbing.
¹⁷ 538 chains stripping, old fence-lines.
¹⁸ 1,440 posts obtained from back lines after stripping.
¹⁹ Metalling.
²⁰ Renovation.
²¹ Lucerne.
²² Stripping.
²³ Fencing.
²⁴ Bridges, 4; culverts, 8.
²⁵ Flood-gates.
²⁶ Discing and harrowing.
²⁷ Metalling.

BAY OF PLENTY DEVELOPMENT SCHEMES.
SUMMARY OF STOCK AS AT 31ST MARCH, 1933.

Scheme.	Total Area in Grass exclusive of Rough Pasture.		Milkers.	Dry Cows.	Cows to cull.	Springers.		Weaners.		Bulls.		Working-bullocks.	Working-horses.	Other Horses.	Ran Cattle, mixed.	Sheep, mixed.	Total Stock to be carried for Season.	Repayments Proposed and other Sources, to 31st March, 1933, to 1st April, 1932.	Remarks.	
	A.	B. E.				Native owned.	Bulk Stock Purchase.	Native owned.	Bulk Stock Purchase.	Native owned.	Bulk Stock Purchase.									
1. Ruatoki	102	3,674 2 0	1,301	137	60	279	15 } 120 } 1,792 349	..	95	..	..	..	..	..	5,000	2,000 } 2,504 }	£ s. d. 2,706 15 1	Morrinsville lot—Cream cheques, £2,397 6s. 9d. Pukekohe lot—Cash, £309 8s. 4d.	
2. Waimui	4	153 3 0	45	..	..	13	..	20	..	..	..	..	..	..	..	..	..	..	Morrinsville lot—Cream cheques, £479 14s. 4d.; cash, £31 3s. 8d.
3. Whakatohea Units and Hinanui	24	809 0 0	330	23	22	91	88	..	23	..	..	4	40	19	..	300	701 } 300 }	..	Morrinsville lot—Special: Cream cheques, £784 2s. 9d.; cash, £20 18s.
4. Opape Base Farm..	1	197 3 0	103	10	..	..	20	..	5	..	..	..	2	..	..	175	805 0 9	..	Morrinsville lot—Cream cheques, £819 11s. 4d.; cash, £15 0s. 9d.
5. Torere	30	1,170 0 0	529	53	34	98	77	..	26	..	..	27	40	40	..	1,003	834 12 1	..	Bulk stock.
6. Te Motuwihitanga	4	60 0 0	20	..	9	12	..	3	..	..	12	6	18	34	..	1,500 } 57 }	..	..	Last year's yearlings from Waikato, Maketu, Opape Base. Weaners from Coast (N'Porou) supplied with yearlings.
7. Omaio	11	979 0 0	39	12	7	7	195	246	22	83	..	2	8	10	..	..	..	..	..
8. Pariokara-Waiorore	5	118 0 0	30	..	..	9	..	8	..	..	..	8	5	11	..	..	71	..	..
9. Te Kaha-Pahaoa	18	904 0 0	326	6	..	78	80	490	74	50	..	12	30	25	12	..	704	Last year's yearlings from Waikato, Maketu, Opape Base. Weaners from Coast (N'Porou). Cream cheques, £65 17s. 6d.; cash, £24 9s. 11d.
10. Te Waiti..	3	400 0 0	126	16	15	27	..	154	31	22	4	4	12	10	45	..	282	35 14 0	..	Special line from Coast (N'Porou). Cream cheques, £21 14s.; cash, £14.
11. Orete and Orete No. 2	15	748 3 0	178	17	4	49	129	369	57	50	8	17	23	38	..	432	1,004 } 2,650 }	193 2 3	..	Taranaki-East Coast lot. Weaners from Coast (N'Porou). Cream cheques, £75 7s. 6d.; cash, £117 14s. 8d.
12. Whangaparaoa	8	1,232 2 0	94	22	20	18	140	254	32	100	5	14	14	20	14	327	795	204 16 2	..	Taranaki-East Coast lot. Weaners from Coast (N'Porou) supplied with Taranaki - East Coast lot, excluding McLernon's stock.
Approximate area carrying	..	10,402 3 0	3,121	296	171	681	864	4,791	891	305	200	94	381	306	71	759	7,825 } 6,450 }	5,381 5 9
Totals	225	15,239 3 0	7,209	14,275

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