



# SUPPLEMENT

# TO THE

# NEW ZEALAND GAZETTE

OF

THURSDAY, FEBRUARY 20, 1913.

Published by Authority.

WELLINGTON, MONDAY, FEBRUARY 24, 1913.

*Land proclaimed as a Road in Block XIV, Pohangina Survey District, Pohangina County.*

[L.S.] LIVERPOOL, Governor.  
A PROCLAMATION.

IN pursuance and exercise of the powers conferred by section eleven of the Land Act, 1908, I, Arthur William de Brito Savile, Earl of Liverpool, the Governor of the Dominion of New Zealand, do hereby, with the consents of the lessee of the Crown land described in the Schedule hereto, and of the Pohangina County Council, being the local authority in whose district the said land is situated, proclaim as a road the land in Pohangina Survey District described in the Schedule hereto.

**SCHEDULE.**

Approximate Area of the Pieces of Land proclaimed as a Road.	Being Portion of Section	Situated in Block	Ituated in Survey District of	Shown on Plan	Coloured on Plan
A. R. P. 0 0 39·1	E.R. 26 ..	XIV	Pohangina	P.W.D. Red. 33070	
1 2 33·8	.. 26 ..	..	..	Ditto	..

All in the Wellington Land District; as the same are more particularly delineated on the plan marked and coloured as above mentioned, and deposited in the office of the Minister of Public Works, at Wellington, in the Wellington Provincial District.

Given under the hand of His Excellency the Right Honourable Arthur William de Brito Savile, Earl of Liverpool, Knight Commander of the Most Distinguished Order of Saint Michael and Saint George, Member of the Royal Victorian Order, Governor and Commander-in-Chief in and over His Majesty's Dominion of New Zealand and its Dependencies; and issued under the Seal of the said Dominion, at the Government House, at Wellington, this twenty-first day of February, in the year of our Lord one thousand nine hundred and thirteen.

W. FRASER,  
Minister of Public Works

GOD SAVE THE KING!

*Extending Hour for closing Poll on Proposal to adopt Rating on Unimproved Value, Upper Hutt Town District.*

LIVERPOOL, Governor.

**ORDER IN COUNCIL.**

At the Government House, at Wellington, this twenty-fourth day of February, 1913.

Present :

HIS EXCELLENCY THE GOVERNOR IN COUNCIL.

IN pursuance and exercise of the power and authority vested in him by the Local Elections and Polls Act, 1908, His Excellency the Governor of the Dominion of New Zealand, acting by and with the advice and consent of the Executive Council of the said Dominion, doth hereby extend the hour at which the poll on the proposal to adopt the system of rating on unimproved value in the Upper Hutt Town District, under the Rating Act, 1908, to be taken on the twelfth day of March, one thousand nine hundred and thirteen, shall close, to seven o'clock in the afternoon of the same day.

J. F. ANDREWS,  
Clerk of the Executive Council.

*Opening Lands in Auckland Land District for Selection on Renewable Lease.*

LIVERPOOL, Governor.

IN pursuance and exercise of the powers and authorities conferred upon me by the Land Act, 1908, I, Arthur William de Brito Savile, Earl of Liverpool, the Governor of the Dominion of New Zealand, do hereby declare that the lands described in the Schedule hereto shall be open for selection on renewable lease on Tuesday, the twenty-fifth day of March, one thousand nine hundred and thirteen, at the rentals mentioned in the said Schedule; and I do also declare that the said lands shall be leased under and subject to section one hundred and thirty-five of the said Act, as they contain, or are supposed to contain, metal, mineral, or valuable stone.

## SCHEDULE.

AUCKLAND LAND DISTRICT.—TAURANGA COUNTY.—TE PUNA PARISH.—HAURAKI MINING DISTRICT.

## Second-class Land.

Section.	Block.	Area.			Capital Value.			Half-yearly Rental.		
		A.	R.	P.	£	s.	d.	£	s.	d.
27	..	62	0	0	100	0	0	2	0	0
227	..	329	2	0	750	0	0	15	0	0
229	..	32	1	0	20	0	0	0	8	0
231, 233	..	290	1	20	440	0	0	8	16	0

As witness the hand of His Excellency the Governor, this twenty-first day of February, one thousand nine hundred and thirteen.

W. F. MASSEY,  
Minister of Lands.

Opening Lands in Southland Land District for Sale or Renewable Lease.

LIVERPOOL, Governor.

IN pursuance and exercise of the powers and authorities conferred upon me by the Land Act, 1908, I, Arthur William de Brito Savile, Earl of Liverpool, the Governor of the Dominion of New Zealand, do hereby declare that the lands described in the Schedule hereto shall be open for selection on renewable lease on Tuesday, the twenty-fifth day of March, one thousand nine hundred and thirteen, at the rentals mentioned in the said Schedule; and I do also declare that the said lands shall be leased under and subject to section one hundred and thirty-five of the said Act, as they contain, or are supposed to contain, metal, mineral, or valuable stone.

## SCHEDULE.

SOUTHLAND LAND DISTRICT.—WALLACE COUNTY.—LONGWOOD SURVEY DISTRICT.—OTAGO MINING DISTRICT.

## Second-class Land.

Section.	Block.	Area.			Capital Value.			Half-yearly Rental.		
		A.	R.	P.	£	s.	d.	£	s.	d.
17	III	116	2	0	150	0	0	3	0	0
18	"	125	0	0	160	0	0	3	4	0
19	"	182	0	0	230	0	0	4	12	0
20	"	186	0	0	240	0	0	4	16	0
10	XII	144	0	0	170	0	0	3	8	0
11	"	207	0	0	160	0	0	3	4	0
12	"	172	0	0	200	0	0	4	0	0
13	"	255	0	0	200	0	0	4	0	0
14	"	283	1	0	360	0	0	7	4	0
15	"	206	1	20	160	0	0	3	4	0
16	"	112	3	0	100	0	0	2	0	0

Altitude, from 200 ft. to 1,000 ft. above sea-level. Covered with mixed bush, chiefly kamahi, from which all valuable milling-timber has been cut. The country consists generally of easy leading spurs and broken gullies, suitable for pastoral and dairying purposes. Soil fairly good loam and clay, on granite and shale formation. Situated from three miles and a half to five miles and a half by road from Orepuke Township and Railway-station—about two miles formed and partly gravelled, remainder unformed. Sections 11, 13, 15, and 16, Block XII, are mostly broken country, bush running into rata at higher altitudes.

As witness the hand of His Excellency the Governor, this twenty-first day of February, one thousand nine hundred and thirteen.

W. F. MASSEY,  
Minister of Lands.

Opening National Endowment Lands in Auckland Land District for Selection.

LIVERPOOL, Governor.

IN pursuance and exercise of the powers and authorities conferred upon me by the Land Act, 1908, I, Arthur William de Brito Savile, Earl of Liverpool, the Governor of the Dominion of New Zealand, do hereby declare that the national endowment lands described in the Schedule hereto shall be open for selection on renewable lease on Tuesday, the

twenty-fifth day of March, one thousand nine hundred and thirteen, at the rentals mentioned in the said Schedule; and I do also declare that the said lands shall be leased under and subject to the provisions of the said Act.

## SCHEDULE.

AUCKLAND LAND DISTRICT.

## Second-class Land.

Section.	Block.	Area.			Capital Value.			Half-yearly Rental.		
		A.	R.	P.	£	s.	d.	£	s.	d.

BAY OF ISLANDS COUNTY.—HUKERENUI SURVEY DISTRICT.

9	I	388	0	27	390	0	0	7	16	0
10	"	420	3	5	420	0	0	8	8	0

TAURANGA COUNTY.—OTANEWAINUKU SURVEY DISTRICT.

1	I	861	2	10	870	0	0	17	8	0
---	---	-----	---	----	-----	---	---	----	---	---

Weighted with £600, valuation for improvements consisting of house, outhouse, ploughing, fencing, orchard, &c.

MANGONUI COUNTY.—WAIAKE PARISH.

41	..	89	0	36	50	0	0	1	0	0
----	----	----	---	----	----	---	---	---	---	---

As witness the hand of His Excellency the Governor, this twenty-first day of February, one thousand nine hundred and thirteen.

W. F. MASSEY,  
Minister of Lands.

Opening Lands in Auckland Land District for Sale or Selection.

LIVERPOOL, Governor.

IN pursuance and exercise of the powers and authorities conferred upon me by the Land Act, 1908, I, Arthur William de Brito Savile, Earl of Liverpool, the Governor of the Dominion of New Zealand, having received the report of the Under-Secretary in this behalf, as provided by section one hundred and fifty-four of the said Act, do hereby declare that the lands described in the Schedule hereto shall be open for sale or selection on Tuesday, the twenty-fifth day of March, one thousand nine hundred and thirteen; and also that the lands mentioned in the said Schedule may, at the option of the applicant, be purchased for cash, or be selected for occupation with right of purchase, or on renewable lease; and I do hereby also fix the prices at which the said lands shall be sold, occupied, or leased, as mentioned in the said Schedule hereto, and do declare that the said lands shall be sold, occupied, or leased under and subject to the provisions of the Land Act, 1908.

## SCHEDULE.

AUCKLAND LAND DISTRICT.—RAGLAN COUNTY.—WHAINGAROA SURVEY DISTRICT.

Section.	Block.	Area.	Cash Purchase: Total Price.	Occupation with Right of Purchase: Half-yearly Rent.		Renewable Lease: Half-yearly Rent.
				£	s. d.	

## First-class Land.

6	IX	485	3	0	1,610	0	0	40	5	0	32	4	0
---	----	-----	---	---	-------	---	---	----	---	---	----	---	---

Altitude, 70 ft. to 250 ft. above sea-level. Broken country, a small area in tall manuka, balance heavy mixed forest comprising tawa, hinau, rata, &c., with thick undergrowth of kiekie and supplejack. Soil of fair quality, on papa formation; fairly well watered by swamp and stream. Situated about five miles from deep-water landing on Raglan Harbour, and about thirty-five miles and a half from Ngaruawahia by formed road in each case.

7	IX	321	2	0	970	0	0	24	5	0	19	8	0
---	----	-----	---	---	-----	---	---	----	---	---	----	---	---

Altitude, 50 ft. to 200 ft. above sea-level. Broken land, the greater part covered with mixed forest comprising tawa, rata, hinau, &c., and some puriri, with thick undergrowth of kiekie and supplejack; balance manuka. Soil of fair quality, light in places, on papa and limestone formation; fairly well watered by swamp and small streams. Situated about six miles from Te Akau, deep-water landing on Raglan Harbour, and thirty-four miles and a half from Ngaruawahia by formed road in each case.

Section.	Block.	Area.	Cash Purchase: Total Price.	Occupation with Right of Purchase: Half-yearly Rent.	Renewable Lease: Half-yearly Rent.
----------	--------	-------	-----------------------------	--	------------------------------------

8 | IX | 561 0 0 | 2,110 0 0 | 52 15 0 | 42 4 0  
 Altitude, 50 ft. to 400 ft. above sea-level. About 65 acres swamp, remainder broken country; 50 acres manuka; balance covered with heavy mixed forest comprising tawa, rata, hinau, &c., with thick undergrowth of kiekie, supplejack, &c. Soil of fair quality, on papa and limestone formation; fairly well watered by small streams. Situated about seven miles from Te Akau deep-water landing, and about thirty-three miles and a half from Ngaruawahia, via Waingaro and Mangati, by formed road.

9 | IX | 325 0 0 | 1,220 0 0 | 30 10 0 | 24 8 0  
 Altitude, 50 ft. to 300 ft. above sea-level. About 30 acres swamp; balance broken country, covered with heavy mixed forest comprising rata, tawa, kahikatea, hinau, manuka, &c., with undergrowth of kiekie and supplejack. Soil of fair quality, on papa formation; fairly watered by swamp and small streams. Situated six miles from Te Akau deep-water landing, and thirty-four miles and a half from Ngaruawahia, via Waingaro and Mangati by formed road.

6 | X | 399 2 27 | 1,560 0 0 | 39 0 0 | 31 4 0  
 Altitude, 60 ft. to 400 ft. above sea-level. About 100 acres undulating, balance broken, all covered with heavy mixed forest comprising rata, kahikatea, hinau, manuka, &c., with thick undergrowth of kiekie and supplejack. Soil of fair quality, on papa and limestone formation; fairly watered by small streams. Situated nine miles and a half from Mangati, ten miles from Waingaro, four miles and a half from Kerikeri Landing, and twenty-six miles from Ngaruawahia by formed road to within a mile and a half of section, balance remains to be formed.

7 | X | 413 1 0 | 1,610 0 0 | 40 5 0 | 32 4 0  
 Altitude, 60 ft. to 400 ft. above sea-level. Broken land, covered with heavy mixed forest comprising tawa, rata, hinau, kahikatea, &c., with thick undergrowth of kiekie and supplejack. Soil of fair quality, on papa and limestone formation; fairly well watered by small streams. Situated four miles and a half from Kerikeri Landing, ten miles from Waingaro, and twenty-six miles from Ngaruawahia by road formed to within a mile and a half of section, which distance remains to be formed.

9 | X | 463 3 12 | 1,390 0 0 | 34 15 0 | 27 16 0  
 Altitude, 100 ft. to 350 ft. above sea-level. Broken to undulating country; about 400 acres heavy mixed forest comprising tawa, rata, hinau, kahikatea, &c., with thick undergrowth of kiekie, supplejack, &c.; balance manuka country. Soil fair to light, on papa formation; fairly well watered by small streams. Situated two miles and a half from Kerikeri Landing, eight miles from Waingaro, and twenty-four miles from Ngaruawahia by road, of which a mile and three-quarters remains to be formed.

*Second-class Land.*

8 | X | 455 1 20 | 960 0 0 | 24 0 0 | 19 4 0  
 Altitude, 150 ft. to 400 ft. above sea-level. Mostly undulating land; about 100 acres mixed forest comprising tawa, rata, hinau, and some rewarewa, with undergrowth of kiekie, supplejack, &c.: 240 acres manuka; remainder fern country. Light soil, fair to inferior in places, on papa formation; well watered by swamp and small streams. Situated three miles from Kerikeri Landing, eight miles and a half from Waingaro, and twenty-four miles and a half from Ngaruawahia by road formed to within ten chains of section.

1 | XIII | 208 0 25 | 260 0 0 | 6 10 0 | 5 4 0  
 Altitude, about 200 ft. above sea-level. Undulating fern and manuka country. Light soil, fair to rather inferior in places, on papa formation; fairly watered by swamp and small stream. Situated five miles and a half from Te Akau Landing, and thirty-nine miles from Ngaruawahia, via Mangati and Waingaro, of which distance a mile and three-quarters remains to be formed.

2 | XIII | 367 3 25 | 780 0 0 | 19 10 0 | 15 12 0  
 Altitude, about 400 ft. above sea-level. Broken to undulating country; about 30 acres mixed forest comprising rata, tawa, &c.; balance tall white manuka. Light soil of fair quality, on papa formation; fairly well watered by small stream. Situated five miles and a half from Te Akau Landing

Section.	Block.	Area.	Cash Purchase: Total Price.	Occupation with Right of Purchase: Half-yearly Rent.	Renewable Lease: Half-yearly Rent.
----------	--------	-------	-----------------------------	--	------------------------------------

and thirty-nine miles from Ngaruawahia by formed road, except the last mile and three-quarters, which remains to be formed.

3 | XIII | 451 0 0 | 680 0 0 | 17 0 0 | 13 12 0  
 Altitude, 50 ft. to 400 ft. above sea-level. About 30 acres bush felled and grassed, balance undulating fern and manuka country. Light soil, fair quality to inferior in places, on papa and limestone formation; fairly watered by swamp and small stream. Situated five miles from Te Akau Landing and thirty-eight miles and a half from Ngaruawahia, via Mangati and Waingaro, by formed road, except the last mile and three-quarters, which remains to be formed.

As witness the hand of His Excellency the Governor, this twenty-first day of February, one thousand nine hundred and thirteen.

W. F. MASSEY,  
 Minister of Lands.

*Opening Lands in Auckland Land District for Sale or Selection.*

LIVERPOOL, Governor.

IN pursuance and exercise of the powers and authorities conferred upon me by the Land Act, 1908, I, Arthur William de Brito Savile, Earl of Liverpool, the Governor of the Dominion of New Zealand, having received the report of the Under-Secretary in this behalf, as provided by section one hundred and fifty-four of the said Act, do hereby declare that the lands described in the Schedule hereto shall be open for sale or selection on Tuesday, the twenty-fifth day of March, one thousand nine hundred and thirteen; and also that the lands mentioned in the said Schedule may, at the option of the applicant, be purchased for cash, or be selected for occupation with right of purchase, or on renewable lease; and I do hereby also fix the prices at which the said lands shall be sold, occupied, or leased, as mentioned in the said Schedule hereto, and do declare that the said lands shall be sold, occupied, or leased under and subject to the provisions of the Land Act, 1908.

SCHEDULE.

AUCKLAND LAND DISTRICT.—AWAKINO COUNTY.—KAWHIA SOUTH SURVEY DISTRICT.

*First-class Land.*

Section.	Block.	Area.	Cash Purchase: Total Price.	Occupation with Right of Purchase: Half-yearly Rent.	Renewable Lease: Half-yearly Rent.
----------	--------	-------	-----------------------------	--	------------------------------------

3 | XV | 523 0 0 | 1,270 0 0 | 31 15 0 | 25 8 0  
 Altitude, 800 ft. to 1,000 ft. above sea-level. Undulating land, half fern and manuka, with patches of gorse; half mixed forest comprising tawa, rata, rimu, matai, and tawhero, with light undergrowth of supplejack, &c. Soil of fair quality, on limestone formation; well watered by streams. Situated twenty-five miles from Hangatiki Railway-station, twenty-two miles and three-quarters of which is by formed road, formation of remainder (two miles and a quarter) not yet completed.

4 | XV | 504 3 23 | 1,310 0 0 | 32 15 0 | 26 4 0  
 Altitude, 800 ft. to 1,100 ft. above sea-level. Undulating to broken land, covered with heavy mixed forest comprising tawa, rata, rimu, tawhero, matai, &c., with dense undergrowth of supplejack, rangiora, &c. Soil of good quality, on limestone formation; well watered by streams. Situated twenty miles from Hangatiki Railway-station, fifteen miles of which is by formed road, balance unformed; or twenty-three miles from Te Kuiti, of which twenty-one miles is by formed road. Formation of remaining portions not yet completed.

As witness the hand of His Excellency the Governor, this twenty-first day of February, one thousand nine hundred and thirteen.

W. F. MASSEY,  
 Minister of Lands.

The following table shows the results of the experiments on the effect of the temperature on the rate of the reaction between hydrogen peroxide and potassium iodide. The reaction is catalyzed by the presence of a small amount of potassium iodide. The rate of the reaction is measured by the volume of oxygen gas evolved in a given time.

Temperature (°C)	Rate of Reaction (ml O <sub>2</sub> / min)
10	0.5
20	1.0
30	2.0
40	4.0
50	8.0
60	16.0
70	32.0
80	64.0
90	128.0

It is seen from the above table that the rate of the reaction increases very rapidly with increase in temperature. This is due to the fact that the rate of a chemical reaction is dependent on the energy of the molecules. At higher temperatures, the molecules possess more energy and are therefore more likely to undergo a chemical reaction.