

APPENDIX 2.

No. 5.

PUBLIC WORKS DEPARTMENTAL REPORT

on

The ~~State~~ of Gauging ofMain Rivers inNORTH AND WEST KENYA.

Public Works Department,

Head office,

Nairobi.

5th. April 1921.

Ref: No. 125/117/3/2.

The Hon. Director of Agriculture,
Nairobi.Economic Survey, Thika - Nyeri Railway.

The results of gaugings of the undermentioned rivers are as stated below:-

<u>River.</u>	<u>Date of gauging.</u>	<u>Stage.</u>	<u>Flow cusecs.</u>	<u>Place where gauging made.</u>
Waro River.	9.2.21.	Low.	9.00	Near Nyeri-Meru Road Bridge.
Buguresi.	9.2.21.	Low.	14.10.	do.
Nanyaka.	9.2.21.	Low.	10.80.	do.
Liki.	9.2.21.	Low.	19.02.	do.
Amboni.	7.2.21.	Low.	34.40.	do.

(Signed) H. L. Sikoa.

Government Hydraulic Engineer

ANNEX 2.AVERAGE MONTHLYRAINFALL ATAREA OF

Table

AVERAGE MONTHLY & EXTREME ANNUAL RAINFALLS

Stn. No.	Station.	Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total Average	Over Years.	Greatest Annual Rainfall.	Smallest Annual Rainfall.
1	Charia Bridge, Mathuri, (Cuning)		2.61	4.89	11.85	4.39	1.45	1.51	0.48	1.44	4.64	2.78	1.53	39.48	3	46.18 (1917).	29.91 (1918).
2	Charia, Charia Bridge, (Rev)			4.42	9.44	4.12	1.57	0.90	0.81	0.96	2.78	6.04	2.13	37.10	9	50.71 (1912)	28.19 (1918).
3	Thika, M'ogoni Estate, (cult)				9.01	1.51	0.12	0.42	1.04	0.40	4.43	6.39	3.53	34.36	2	35.03 (1916)	33.68 (1919).
4	Thika, Nanga, (Trotter).	2.13		8.34	3.30	2.49	2.91	0.10	0.73	0.89	3.05	5.70	1.69	35.57	6	42.06 (1914)	28.04 (1919).
5	Thika, M'adaraga, (Lindsay).	1.46	1.05	4.72	9.68	4.59	1.84	1.42	0.62	1.62	3.66	4.89	1.92	37.47	6	42.60 (1914)	30.12 (1918).
6	Charia, Kabuku, (Frocks).	2.19	1.41	3.96	10.38	7.51	2.22	0.64	0.47	1.04	3.28	4.81	2.25	35.14	4	41.35 (1917)	26.88 (1918).
7	Donya Sakak, M'adara, (May).	2.36	0.53	12.12	7.50	0.57	0.30	0.15	0.71	2.20	7.35	5.41	36.41	3	43.51 (1916)	29.32 (1918).	
8	Fort Hall, District office.	1.40	2.25	12.85	6.30	1.70	0.92	0.83	1.03	4.83	7.82	2.66	47.77	19	60.82 (1912)	35.95 (1918).	
9	Nyeri, District office.	1.22	1.90	6.49	6.14	7.27	1.57	1.37	1.64	1.00	3.09	4.24	2.46	36.38	16	52.04 (1917)	26.88 (1918).
10	Nyeri, Muringi.	0.91	3.23	1.65	7.77	4.92	2.14	1.06	1.35	2.21	1.59	3.44	2.40	34.67	2	39.14 (1916)	30.21 (1916).
11	Nyeri, Mungu Tama.	0.47	2.59	2.58	12.14	6.04	1.24	1.54	0.73	1.70	3.53	4.89	2.76	39.95	4	43.90 (1916)	29.80 (1918).
12	West Kenia, Esperanza Farm.	1.74	1.44	3.02	4.32	2.39	1.14	0.73	1.03	1.61	2.42	2.19	2.05	25.10	5	39.55 (1917)	17.85 (1918).
13	West Kenia, Barro Mora.	1.74	2.52	3.94	7.31	1.81	2.23	0.82	1.61	1.04	3.25	3.85	1.59	31.81	4	40.10 (1917)	22.83 (1918).
14	West Kenia, Forest Station.	1.04	2.09	3.87	9.18	5.86	3.16	1.64	1.79	2.08	2.72	7.77	3.22	45.02	4	54.34 (1912)	35.92 (1911).

DEPARTMENT OF AGRICULTURE.
K A I R O B I.

(Ref. No. J. 8/2).

20th September 1921.

His Excellency the Acting Governor.

In continuation of the Report upon an Economic Survey of the Thika - Nyeri Railway Line, and as directed, I have the honour to submit estimates of Tonnage and Earnings of traffic on the basis of the Railway being constructed from Thika to Kambiono only, a distance of approximately 54 miles.

Certain difficulties have been experienced in arriving at the earnings and it is possible that some of the items may not be quite accurate, but the degree of error can only be comparatively small and the main question is not affected thereby.

In any case the earnings in the future will depend upon the Railway rates in force and as these are revised from time to time, figures cannot now be furnished which would reflect the future position accurately.

The following schedules are submitted:-

- Appendix 6. Estimates of areas, cultivation, produce and earnings three years and ten years after completion of railway.
- 7. Estimates of live stock, dairy produce, and earnings three years and ten years after completion of railway.
- 8. Summary of produce, earnings and estimates of goods and passenger traffic three years and ten years after completion of railway.
- 9. Financial statement from the Hon. Acting General Manager, Uganda Railway.

Mr. Nelson

CHAIRMAN,
(Director of Agriculture).