

EAST

PROT

57639

REC

REG 1 DEC 16

57639

Buffalo 665

1916

Oct 20

at previous Paper.

20 Nov
20481
15

Yours copy letter from P.C. advocating boring operations, approaching Union "vt with a view to securing services of "pt" invasion and personnel for 6 months after "ar." 6 weeks arrangements may be made for loan of necessary plant. All expenses will be borne by "arai."

Mr Battler

The general idea of the position of the dammed reservoir will be seen from the annexed sketch map. As Mr. Battler's suggestion (for a 127 ft. cut) is more useful.

The Ross's Nakobini is clearly the Battler's Nakobini; of the other boulders measured the first (photo no. 3186) would appear to be a little to the east of Nakobini & the second often (the "Black Gorge") may be the "Deep Gorge" east of the head end of L. Mayadi.

The boulders shown, of course, are relative to the surface water conserving under Mr. Battler's dam scheme, & it is fairly certain that, when bottom

Copy of 1st and older ends in orig.

Bogged down in 12 Dec 16

NO
21 Do with Battler

Ans 291

at subsequent Paper

10 Dec 16

underground, the flow of things said
are the subject of the arrangement between
the Mayadi Co. the Mashri & the
govt. I think you will find that
Govt/40283/3 with the 1:500000 map
seems to show that the sources of the
1:500000 map are at about the
2000 meter level - or higher than
Lake Marakha.

On the other hand, if the Ross
idea is correct, the abstraction of the
water at these bores would interfere
with the future deposit of suds at
L. Mayadi. Perhaps this is too remote
for concern - the Mayadi Co have
enough to carry on with for a long time.

But I think we need expert advice
before we go further with the scheme, which
seems to me extremely speculative, as
there is no prior reason why the
underground channel should bear any
relation to the surface depression, the
way it goes apart. I very much doubt
whether Mr. Ross would put the scheme
forward if P.W.D. money were concerned.

I had some time ago written
you concerning the proposed scheme
for obtaining water from the
Scientific bank of rivers. Will be
well to enclose a copy of the 1:500000
map + Mr. Watt's map with a note

"fly up" in
10147/14 with
most water

showing as well as we can where the
places are.

6.6.8 7.12.6

312

H. Read.

I agree

W.B.

8.12.6

at once.
to get

8.12.7/16

Page 3

Ask the
Survey of
India to
make the
Report by
immediately

H. J.

C. S.
57859

October 20th, 1916.

R.C.
REG'D 1/10/16

Sir,

I have the honour to transmit herewith for your information a copy of a letter from the Director of Public Works in which he advocates that boring operations should be undertaken at various points in the Rift Valley in search of water for the benefit of the Masai.

I enclose also two photographs and two diagrams of the locality.

2. I am informed by the military authorities that the boring plant at present in use in the conquered areas is the property of the Imperial Government, and that the personnel of the Water Supply Corps is due to return to the Union of South Africa at the conclusion of local hostilities.

3. I am approaching the Union Government with a view to securing the services of Captain Anderson and the personnel for two sections for a period

THE RIGHT HONOURABLE

ANDREW BONAR LAW, P.C., M.P.,

SECRETARY OF STATE FOR THE COLONIES,

DOWNING STREET,

LONDON, S. W.

period of 6 months after the War, and shall be glad if you will endeavour to arrange for the loan of the necessary plant for a similar period so that operations may be conducted in accordance with Mr. McGregor Ross's suggestions.

4. All expenditure in connection with the experiment will be paid by the Masai themselves.

I have the honour to be,

Sir,

Your humble, obedient servant,

H. Conway, Brigadier.

GOVERNOR.

INCLOSURE

In Dispatch No. 111 of 20/10/1916

G.P.

PUBLIC WORKS DEPARTMENT

HEAD OFFICE,

315

NAIROBI.

NO. 367/23

September 2nd 1916

57639

RSC
Rec'd 1 BEF 16

BORES IN THE RIFT VALLEY

Sir,

I have the honour to invite the attention of Government to the extreme interest that would attend the execution of deep bores in the Rift Valley where it forms a portion of the Masai Reserve.

2. At the request of the Officer-in-Charge of the Reserve, I recently paid a visit to a water-hole called MKOBIRRI, some twelve or fifteen miles West of Ngong Mountain, to advise as to the desirability of installing wind-mill -driven pumps there-which the Masai propose to do at their own expense. The Masai suggest, I believe, that this water is a re-emergence of the Kedong River. The entire region here consists of a series of parallel valleys divided by rocky fault scarps, details in the enormous fault movement of which the Rift Valley is so notable an example. A region seamed by numerous vertical fault planes is one in which it is only too likely that opportunities exist for running water to leave the surface and go underground. The Rift Valley trends to lower and lower elevations in a series of gigantic steps as one proceeds Southwards, and dominating this descent as is diagrammatically represented in the attached figure, we have a lake of unknown depth and of eighty square miles in area at Nairobi, a lake that remains fresh although it has no surface outlet.

and-

THE HONOURABLE CHIEF SECRETARY,

NAIROBI

and although its banks, and probably its bed, are impregnated with alkali. The evidence as to a subterranean outlet is almost conclusive. It could be absolutely established within a period of twelve months by an extension of evaporation observations which have been conducted at Naivasha for some eight years past, and by accurate stream gaugings on three rivers. It is an interesting subject of speculation as to whether the existence of salt deposits at Lake Magadi may not be attributed to the emergence of underground flows from Lake Naivasha and other surface waters of the Rift Valley which have become heavily charged with alkali in a long and slow passage underground. The points of particular interest that arise in this connection are

that there are fully equipped boring parties in the country with steam driven plant for deep bores,

that enormous areas of Masai Reserve, where theoretical considerations lead one to believe that underground water exists, are practically useless on account of the absence of surface water

that the Officer-in-Charge of the Reserve has copious funds at his disposal derived from Masai fines.

I therefore suggest that Government might enquire from the Military Authorities as to whether Captain Anderson and his boring parties are fully employed at present (I know that for a long time they were entirely unemployed) if they are now, or are soon to be, unemployed, whether one or more of them could be seconded to or employed by this Department, and if so, on what terms. Everything will hinge on the question of cost,

so that even if Government were to contemplate any operations of this sort in the Rift Valley, this information would be required in the first instance. In the event of its being impossible to obtain the services of one of the boring parties on any terms, the Military might still be asked whether they were willing to sell a boring outfit on their departure from the country and if so at what percentage of the original cost.

3. I am communicating on this subject with the Officer-in-Charge of the Reserve who will probably write to Government on the financial and other aspects of the case. I would strongly urge that the first possible opportunity should be taken of putting down at least a dozen bores in the region alluded to, all of them to be carried to a depth of at least 2000 feet unless fresh water were struck at shallower depths.

The sites I should suggest for the first operations would be in the Valley shewn in the attached photograph NO.3186, in the MKOBIRRI VALLEY (see photograph NO.3185 attached) and in a remarkable feature called OLKEJO NYIRO ("the Black Gorge") two marches South of MKOBIRRI, where Hemsted tells me that plain evidence of the action of copious surface water in recent times exists.

4. In past years I have had an investigation conducted as to the possibility of syphoning water over from Lake Naivasha into the Kedong Valley and beyond. This is proved to be out of the question, though water could easily be got there by pump and pipelines. I am convinced that the next step towards the improvement of water facilities in this part of the Reserve should be for Government to obtain information as to the results

of deep bores.

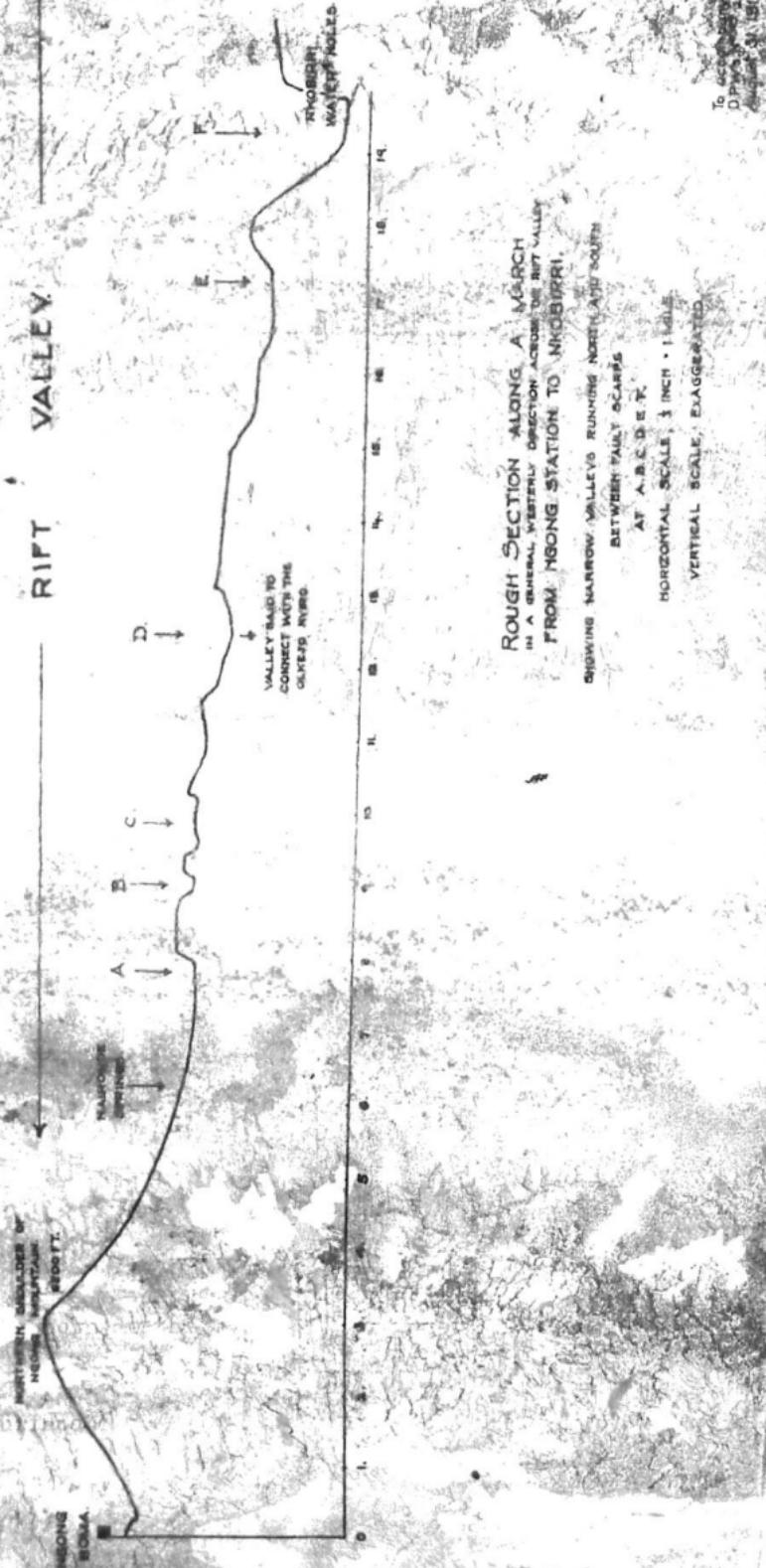
I have the honour to be,

sir,

Your most obedient Servant,

SD/- W. McGregor Ross,

DIRECTOR OF PUBLIC WORKS



MOUNT LONGSBET.

9,117 FT.

N^o 3186. LONE VALLEY RUNNING NORTH AND SOUTH
SOME TEN MILES WEST OF NEEONI MOUNTAIN.

[IN THE FAR DISTANCE, BEYOND THE HEAD OF THE VALLEY,
LONGSBET CAN BE FAINTLY SEEN IMMEDIATELY BEHIND
IT IS LAKE NAYASHA.]

N^o 3185. THE VALLEY OF NEONI NICKEL MINE - HIGH LIE

AUGUST 8 1916.
DRAWS NO. 25
THE ACCOMPANY



Note on places mentioned in the enclosures to the despatch of 20th October 1916 from the Governor of the East Africa Protectorate.

The region between Lake Naivasha and Lake Magadi will be found between $0^{\circ}40'$ and 2° S. Lat and between 36° and $36^{\circ}40'$ E. Long. on the 1:1,000,000 map annexed, on which the hills indicated in diagrammatic Section I are marked by pencil circles.

The locality of the proposed boring in the NKOBIRRI Valley is indicated by the name NKOBINI on the sketch map, near the point of disappearance of the Uaso Kedong. The boring in the Long Valley (Photo: No. 3186) would apparently be a little to the east of NKOBIRRI, and the third place, the "Black Gorge" may be the "Deep Gorge" marked on the sketch map about 25 miles east of the north end of Lake Magadi.

The sketch map relates to a scheme for constructing dams to conserve the surface water in the Southern Masai Reserve, and has only a Topographical connexion with the question of deep bores which has now been raised.

Gov.
57639 S.A.P.

323

16
Jnd



12 Dec 1916

Sir

I am to transmit to you,
the enc. copy of a despatch from the

Gov. of the S.A.P., with enclosures,
relating to a proposal that boring
operations shall be undertaken at
various points in the Rift Valley

in search of water for the benefit of

the Masai

2. The Govt would be

much obliged if you would favour
geological
from a scientific point of view
in with your general observations on the

proposed scheme. In particular
probability or otherwise of the operations
with your opinion as to whether
very successful, he would be glad to

Director
Geological Survey

MINUTE.

1. Howell 11/12/16
Mr. Bottsmaay (prop.)

Mr. Crindell.

Mr. Lambert.

Mr. Read.

Mr. P. F. Phillips.

Mr. Scott-Moncrieff.

Mr. Bonar Law.

2. Oct 1916
(Enclosure)

1 Africa Map 1:1000,000
Patch Maps by Mr. G. K. Watt
(Enclosure)

Vote

~~The proposed bore hole will be
constructed before it is built~~

deposits of soda at Lake

~~Soda is being worked under lease by a
Company under from
Mysore. It will be injurious~~

affected by the abstraction of

the water at the bore suggested

g. D. action map of last

Office on the scale 1:1,000,000

is a sketch map of the country
on a larger scale,
neighborhood (covering the Mysore

Reserve) together with a note indicating
the place where the proposal

will probably be of assistance.

For you to regard that the
map may be returned with your
reply

J

W. W. 11/11/16
1916

C.W.

321

Note on places mentioned in the enclosures
to the letter addressed 12 Oct. 1916 from
the Govt. of the E.A.P.

The region between Lake Naivasha and lake
Moyodi will be found between South lat. 0° 45' and
1° and between E. 36° and 36° 40' E. long.
After 1:1000,000 map measured, a grid of
cells indicated on diagram. Sections are
marked by small circles.

The locality of the proposed boring in the
Nkoboro Valley is indicated by the name
Nkoboro on the sketch map, near the point of
disappearance of the River Kedong. The
boring in the Long Valley (Photo no. 3186)
would apparently be a little to the east of
Nkoboro; and the third place, the
"Black Gorge" may be the "Deep Gorge"
marked on the sketch map, about 25
miles east of the south end of lake
Moyodi.

See also 5/629/6

Copy of sketch map and notes

The sketch map relates to a scheme
for constructing dams to conserve the surface
water in the Southern Masaai Reserve, and
has only a topographical connexion with
the question of deep gorges which has
not been raised.

Colonial Office
Oct. 1916

~~CAN~~
Note on places mentioned in the enclosure,
 to the Govt despatch of 20 Oct. 1916 from
 the Govt of the E.A.S.

The region between Lake Nauyasho and Lake
 Mayadzi will be found between South Lat. $5^{\circ} 45'$
 $5^{\circ} 30'$ and between E. 36° and $36^{\circ} 40'$ E. Long.
 On the 1:1000,000 map annexed, a hill
 indicated on the ground plan section is an
 island by pencil circles.

The locality of the proposed boring in the
 Nkobiori Valley is indicated by the name
 Nkobiori on the sketch map, near the point of
 disappearance of the River Kedong. The
 boring in the Long Valley (Photo. no. 3186)
 would apparently be a little to the east of
 Nkobiori, and the third place, the
 "Black Gorge" may be the "Deep Gorge"
 marked on the sketch map, about 25
 miles east of the north end of Lake
 Mayadzi.

The sketch map relates to a scheme
 for constructing dams to conserve the surface
 water in the Southern Masa Reserve, and
 has only a topographical connexion with
 the question of deep borings which has
 not been raised.

Colonial Office
 Oct. 1916

Copy of Govt Survey and Despatch No. 37637.16