

FALKLAND ISLANDS.

No. *196/16*

MIN/GEO/1#1

1 4 1

Governor's Office.

From		SUBJECT.
<p>Secretary of State for the Colonies. GOVERNOR.</p>		<p>GEOLOGICAL SURVEY.</p> <p>As to desirability for, in respect of bitumen and other minerals. Forwards specimen Black Shale slate</p>
No.	Date	
89	27. 5. 16.	

Colonial Secretary's Record No.	MINUTES.
<i>458/16</i>	<p>Despatch to Sec. of State No. 89 of the 27. 5. 16.</p> <p><i>Despatch to Sec. of State No. 146 of the 17. 8. 16.</i></p> <p>Report on "bitumen", enclosed in Sec of State's despatch No. 89 of 20th Aug 1910 published in Gazette of 1st Nov 1910.</p> <p>Other reports on "Waters" Gazette 1st March 1911.</p> <p>" " " " " " " " " " " "</p> <p>" " " " " " " " " " " "</p>
Registered Number of last Despatch.	
<i>155/16</i>	
No. next Despatch.	
<i>365/16</i>	

FALKLAND ISLANDS.

No. 71.

Government House Stanley.

11th August, 1908.

My Lord,

I have the honour to inform you that I am forwarding to Professor Dunstan by parcel post by this mail a small box containing certain mineral specimens numbered one to three.

2. I should feel obliged if you would kindly request him to have them examined at his convenience and furnish a report hereafter on their economic value, or otherwise, for the information of this Government.

I have etc.

(SGD) W. L. Allardyce
Governor.

The Right Honble

The Earl of Crewe P.C.

&c., &c., &c.,

Secretary of State for the Colonies

Downing Street.

Imperial Institute
of the
United Kingdom, The Colonies and India.
Imperial Institute Road,
London, S. W.
8th October, 1908.

Sir,

I have the honour to enclose
a report, for transmission to the Governor of
the Falkland Islands, on ~~the~~ three mineral
specimens from that Colony which are referred to
in your letter No. 32912/1908 dated the 15th
September, 1908.

I have, etc.

(SD) Wyndham R. Dunstan

The Under Secretary of State,

Colonial Office, LONDON, S. W.

IMPERIAL INSTITUTE.

Report on Mineral specimens from the Falkland Islands,

by Professor Wyndham R. Dunstan, M.A. F.R.S.

No. 25427

These mineral specimens were forwarded for examination to the Imperial Institute from the Falkland Islands, and are referred to in a letter from the Colonial Office, No. 32912/1908 dated the 15th September 1908, which enclosed a copy of a despatch (No. 71 of the 11th August 1908) from the Governor of the Falkland Islands on the subject.

No. 1 was a small specimen of dull black, solid bitumen, weighing three quarters of an ounce. It was very tough and compact and had a specific gravity about 1; some portions of the specimen just sank in water, whilst others floated.

The bitumen took fire when a lighted match was applied to it and burned away quietly leaving a black carbonaceous residue.

A sample of about 7 lb of this bitumen should be sent to the Imperial Institute for analysis and commercial valuation.

No. 2 which weighted $2\frac{1}{4}$ lb., consisted of yellowish-white, siliceous clay, containing a considerable amount of free silica in the form of quartz grains. It was practically free from iron bearing minerals.

An examination of the sandy residue obtained by washing off the clayey portion of the specimen showed that, with the exception of occasional grains of felspar and rutile, it was composed entirely of quartz.

No., 3. This specimen weighed $1\frac{1}{4}$ lbs. and consisted of grey siliceous clay. Like No. 2 it contained a considerable amount of quartz sand, and also numerous particles of slate, to which constituent the grey colour of the clay appeared to be due. In addition to quartz occasional grains of felspar, zircon and biotite were observed in the washed residual sand, but no other minerals were present.

Samples No. 2 and 3 were similar in texture and also in their general physical properties apart from colour.

It would probably not pay to export these clays from the Falkland Islands, but they might be used locally for brick making, the manufacture of pottery etc. If it is proposed to utilize them for such purposes, large samples of 14 lb. of each should be sent to the Imperial Institute for further investigation and technical trial.

(SD) Wyndham R. Dunstan.

8th October, 1908.

Falkland Islands.

No. 68

Government House, Stanley.

4th September, 1909.

My Lord,

With reference to your despatch No. 73 of 20th October, 1908, I now send you, as requested by Professor Dunstan in his report of the 8th October, a sample of about 7 lbs of bitumen for further analysis and commercial valuation.

2. I may add that there would appear to be several outcrops of this mineral in different parts of the Colony.

I have, etc.

(SD) W. L. Allardyce
Governor.

The Right Honble

The Earl of Crewe, P. C.

&c., &c., &c.

Secretary of State for the Colonies.

Downing Street.

27th May, 1916.

Sir,

I have the honour to acknowledge the receipt of your despatch No. 34 of the 21st March, 1916, calling attention to unanswered despatches,

"Confidential", 5th August, 1914, on subject of suggested Geological Survey, and

"Confidential" 13th May, 1915, as to Crown rights to win and deal with oil or allied products.

2. With regard to the suggested Geological Survey. The subject is one which on the present occasion appears to have arisen out of a report on a report on a small sample of "bitumen" forwarded to the Imperial Institute, as may be seen on reference to the correspondence noted in the margin.

3. In his despatch No. 38 of the 4th September, 1900, Governor Allardice stated that there would appear to be several outcrops of the mineral ("bitumen") in different parts of the Colony, and Sir Feverton Redwood supported the suggestion of the Director of the Imperial Institute that a Geological Survey ~~Survey~~ should be made of the localities in which outcrops of the material are stated to occur. I have been unable up to the present, to ascertain in which localities of the Colony the several outcrops are to be found. I am told that occasionally small pieces of "bitumen" are picked up on or near the sea shore but no large quantity of it would appear to be known.

4. Before

Gov. to S/S No. 71
of 11. 8. 08.
Sec. of State to Gov.
No. 73 of 20. 10. 09
Gov. to S/S No. 35
of 4. 9. 09
S/S to Gov. No. 80
of 20. 8. 10.

THE RIGHT HONOURABLE

THE SECRETARY OF STATE FOR THE COLONIES.

4. Before therefore expressing any view on the question of the suggested Geological Survey, as called for by Mr. Secretary Harcourt's Confidential despatch of the 5th August, 1914, I find it necessary to make a further inquiry into the matter of the localities and the quantities of the "bitumen" to be found. I will report later the result of my inquiry.

5. In the meantime may I be permitted to invite attention to Governor Moody's Despatch No. 10 of the 25th January, 1844, forwarding a few specimens of the Geological Strata of part of East Fokland. If these specimens were examined and reported upon, the report might be of interest at the present time.

6. A few weeks ago Mr Arthur Porter, through Mr Jason Hansen of Carcass Island, reported that he had found a mineral on the Island of Grand Jason, and suggested applying for mining rights. Specimens of this mineral have been obtained and I forward same under separate cover. I am inclined to think that these specimens might possibly be of the same nature as the specimens of "black shaly slate" sent home by Governor Moody in 1844, for examination.

7. Mr. Porter states that there is a large quantity of this mineral, that the 'mine', as he calls it, is situated on a bay on the edge of the sea to the extreme West of Grand Jason, and that he thinks by the look of it that the seams go down deep.

8. A few years ago reports on the Geological formation of these Islands were made by Professor J. G. Anderson of the Swedish South Polar Expedition, in 1901-1903, and

by

by Professor Thers G. Halle, in 1911. I annex copies of the title pages of these works, in case reference be made to them, and they are not in the Library of the Colonial Office.

9. With reference to Mr Secretary Marcourt's Confidential Despatch of the 13th May, 1915, as to the right of the Crown to win and deal with oil, I beg that reference may be made to my Confidential Despatch of the 20th March, 1916, which has crossed your despatch of the 21st March, 1916.

I have the honour to be,

Sir,

Your most obedient,

humble servant,

Douglas Young
Governor.

ON THE GEOLOGICAL STRUCTURE
AND HISTORY
of
THE FALKLAND ISLANDS

Academical Dissertation

by

Thors G. Halle

(Reprinted from Bull. Geol. Inst. Univ. Uppsala, Vol. XI)

UPPSALA 1911

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WISSENSCHAFTLICHE ERGEBNISSE

DER SCHWEDISCHEN SUPPOLAR - EXPEDITION.

1901 - 1903

Unter Leitung Von Dr. Otto Nordenskjöld.

Band III Lieferung 2

CONTRIBUTIONS

to

THE GEOLOGY OF THE FALKLAND ISLANDS

by

J. G. AMERSSON

with 2 plates and maps.

STOCKHOLM

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FALKLAND ISLANDS.

No. 146.

Government House, Stanley.

17th August, 1918.

Sir,

With reference to my despatch No. 89 of the 27th May last, I have the honour to report that I have so far been unable to ascertain the localities in which "bitumen" is to be found in this Colony. The general impression seems to be that the small pieces of "bitumen" which have been picked up were washed ashore.

2. As however Governor Allardyce reported, in his despatch No. 58 of the 4th September, 1909, that there would appear to be several outcrops of this mineral in different parts of the Colony, may I suggest that he be asked if he is aware of the districts in which the outcrops occur.

I have the honour to be,

Sir,

Your most obedient,

humble servant,

Douglas Young
Governor.

THE RIGHT HONOURABLE

THE SECRETARY OF STATE FOR THE COLONIES.

cc.,

cc.,

cc.