

TK - COAL CREEK II (1)A

COAL CREEK

WORK ACCOMPLISHED AT COPPER RIVER

F. B. CHETLEBURGH

July 11th, 1911

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(12)

"No. 4" - 2' 8" of solid coal.

On this seam 38 feet of stripping and a drift of 12 ft. with ⁴ sets of timbers and two open cuts.

Owing to the creek following the line of strike just below the floor, it has been somewhat difficult to do extensive excavation work. The coal is of so hard a nature that there is little room for improvement in the outward appearance, and the only difference will be noticed in the analysis, where both moisture and ash will be lower.

"No. 5" - 4' 2" of coal, clay and shale.

This seam resembles "No. 2" very much, but not having found it in place, it is hard to determine whether it is the same or not until further work has been done.

Open cut 6' x 6' x 6'.

Two tunnels have been started on Twin Creek, several open cuts, also trench work all over the property in order to comply with the Coal Act re assessment work.

Though on the outlying areas no coal has been discovered, examination of the sandstones prove very satisfactory, the dip in all cases being very similar, if not exactly that of the coal.

In all seams the coal mines in good condition, being very free from dust and gas, and the "run" is also far above the average.

(Signed) F. E. Chettleburgh,

Coal Creek, Copper River.

July 13th, 1911

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"ORIGINAL" - Tunnel 108 feet long.

The roof of this tunnel was remodelled to save timbering.

Outcroppings of this seam are visible in the creek and throughout the length of the tunnel no irregularities are encountered with.

"No. 3 (?)" - 5' 9" of clean coal.

or
"6 ft". 8" of fire clay.

3" of mining dirt.

Tunnel 152 feet with 30 feet of air way.

In 1910 this tunnel was started and 6 feet from the surface hard coal was in place and throughout all the work. The conformability of the coal, both regards thickness of layers, absence of "swellys" and the regularity of "joints", dip and strike, speaks very highly, independent of the fact that a naked light was always used and no gas was met with. The roof being of clay, which, with exposure to the atmosphere, was found to slightly disintegrate, timbers were put up to minimize any dangers,

"No. 3" - 7' 2" of coal, clay and dirt.

Open cut 11' x 8' x 6'

At the face of this cut the coal is more conspicuous than on the outcroppings and the top layer now consists of 23 $\frac{1}{2}$ " of solid clean coal and, upon further work, there is every possibility of the clay disappearing, if not throughout the whole of the seam, through sufficient thereof to assure a profit on mining.

(12)

FK - COAL CREEK 18(1A)

OPEN FILE

REPORT OF WORK ACCOMPLISHED

On

COPPER RIVER GOAL COMPANY'S PROPERTY

Situate at Coal Creek, Copper River.

Previous to January, 1910, all efforts were concentrated on the one idea, namely, prospecting; which, being detailed, constituted locating of the present seams and the stripping thereof; the result being the outcroppings of seven seams were faced up and, after drifting and overcoming local disturbances, the seams proved to be very conformable.

Stringers and indications of coal can be found for a distance of four miles upward from the mouth of Coal Creek, but the improvement work (outside of that necessary for assessment work) has been carried on only in connection with seams having a commercial value.

"No. 1" - 22 inches of clean coal -
stripped for 30 feet.
drift 14' x 5' x 5' (4 sets of timbers)

"No. 2" - 3' 8" of coal and shale.
stripped for 70 feet
drift = 12' x 5' x 5' 6" (N/E side of creek)
stripping on S/W of creek 26'.

At the face of drift on N/E side of creek, a marked improvement is noticed in the formation and looks at present very encouraging for further work.

(D)

Provincial Assayer of British Columbia
By Examination.

Assayer for 26 years with
Messrs Vivian & Sons, Swansea.
Highest References.

J. O'Sullivan. F.C.S.Etc.,
Assayer.

Analytical Chemist and Metallurgist .

Assay Office and Laboratory, Edison Block.

432 Richards St. Near Northern Crown Bank.

P. O. Box 115.

Telephone 2117.

Vancouver. B.C. July 15th. 1909.

Analysis of sample of Bituminous Coal received from
Mr. A. Gdfrey.

Marked "No.2"

Water@ 212° F.....#	3.5%
Volatile Combustible Matter.....	38.0%
Fixed Carbon.....	50.5%
Ash.....	7.0%
Sulphur.....	1.0%
Coke.....	58.0%
Character of Coke.....	Hard and firm.

(Signed) J. O'Sullivan³/₄

(12)

Provincial Assayer of British Columbia, Assayer for 26 Years with
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Highest References.

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Telephone 2117.

Vancouver. B.C. July 15th, 1909.

Analysis of sample of Bituminous Coal received from
Mr A. Godfrey.

Marked "No. 1"

Water at 212° F.....	4.0%
Volatile Combustible Matter.....	39.1%
Fixed Carbon.....	54.0%
Ash.....	2.1%
Sulphur.....	0.8%
Coke.....	56.5 per cent.
Character of Coke.....	Hard and firm.

(Signed) J. O'Sullivan. F.C.S.