

REPORT
OF
PRELIMINARY EXAMINATION
OF THE
HARVEY, EXCISE, ECLIPSE,
and other claims.
Cambourne, B. C.

To-
E. A. Julian,
Goldfield Consolidated Mines Exploration Co.

By-
Charles C. Starr,
September 20, 1933.

INTRODUCTION: Three days, with a guide, were spent in going over the properties in question. Only a preliminary examination was attempted.

LOCATION: The claims are situated along both sides of Pool Creek one to two miles east of Cambourne, an old camp on the Incomappleaux River fifteen miles northeast of Arrowhead.

PROPERTY: The claims grouped under Mr. G. S. McCarter's option are the following:- Excelsior, Emerald, Harvey, Harvey Fr., Noble Two, Eclipse, Ettie, and Excise. (See map)

Only a part of these claims are Crown Granted; they are under several different ownerships.

ACCESSIBILITY & TRANSPORTATION: The property is reached via Arrowhead, on a C.P.R. branch railway, thence by boat to Beaton, ten miles, and auto road to Cambourne, 5 miles.

From Cambourne, now merely a "has-been town", good trails of steep grade lead to the various properties.

CLIMATE: The district is a snowy one, but on account of the low altitude the snowfall is not excessive for British Columbia. On the claims in question there are only a few snowslides, for while the slopes are very steep they are covered with thick timber and brush.

TOPOGRAPHY: The elevation at Cambourne is approximately 2000 feet; at the property in question 3000 to 4000 feet.

The mountains along Pool Creek and throughout the camp are high, with rough steep slopes, and Pool Creek is a torrential stream flowing through a steep gorge.

TIMBER & WATER: The region is thickly covered with fine timber, though usually standing on slopes too steep

for economical handling.

Water for domestic use or milling is plentiful and there are a number of creeks near Cambourne which can furnish a substantial amount of power.

EQUIPMENT: There are small cabins on the Harvey, Excise, and Eclipse claims, but otherwise there is practically no equipment.

DEVELOPMENT: On the Excelsior there are a few open cuts.

On the Harvey, a 200 foot adit and several open cuts; on the Excise there are three tunnels and several open cuts; the No. 1 tunnel is only a few feet in length, the No. 2 tunnel follows the vein for 110 feet and has an additional 120 feet of crosscuts, the No. 3 tunnel follows the vein for 100 feet and has 145 feet of crosscut.

On the Eclipse claim there is one open cut and a 315 foot tunnel, most of which is parallel to the vein which has been crosscut at intervals.

GEOLOGY: The country rocks on all the claims are slates, graphitic schists, quartzitic schists, and chlorite schists, with occasional greenstone dikes which have generally been altered to "carbonate rock". These rocks are of the Lardeau series of late Pre-Cambrian age. The strike is northwest, and the dip nearly vertical. The veins on the claims in question are classed by the Geological Survey as "Lead-zinc-silver veins" rather than as "Gold-quartz veins" as those on the Eva and adjoining properties are classed.

In addition to the quartz, ankerite, and pyrite of the Gold-quartz veins, the veins of this group contain

galena, sphalerite, and additional pyrite.

DESCRIPTIONS:

Harvey Claim

The tunnel starts from the level of Pool Creek on an eight foot vein of quartz with irregular seams and kidneys of pyrite; it strikes N 5° W and dips 70° east. The first crosscut shows twelve feet of nearly solid quartz, weakly mineralized with mostly pyrite; the second, six feet of mixed country rock and quartz with scant sulphides. The values are said to be low; the vein was not sampled as the quartz was too hard to chip with a pick. The vein has not been located on the south side of Pool Creek and has probably been faulted.

Excise Claim

A large open cut shows two fissures, one striking northeast and dipping 45° southeast, and the other striking north and south, with a flat dip east. Both are mineralized over narrow widths with pyrite, galena, and sphalerite. A short adit just below, exposes a few inches of sulphides along the same fractures, but it is not certain that these are the same ones opened in the lower tunnels. Tunnel No. 2, about 60 feet lower, shows a vein varying from two to ten feet in width striking N 25° W and dipping fairly steeply east. It contains irregularly and sparsely distributed pyrite, galena, and sphalerite, with a little ankerite and inclusions of country rock. The vein cuts the enclosing rocks, which are slates and schists, at a small angle; the rocks are considerably contorted. In No. 3 tunnel, 65 feet lower, the same vein is exposed from a few inches to five feet in width;

in general the mineralization is weak. Sample 1911 is from the edge of a short raise on the footwall in No. 2 tunnel, over a width of 2.3 feet; it shows white quartz with pyrite, and assays Gold .07 Oz., Silver 1.7 Oz. A small pile of ore on the dump of this tunnel appears to represent the heavy sulphide ore sorted out as work progressed; #1912, a chip sample from this ore, assayed Gold .13 Oz. Silver 9.8 Oz., Lead 17.1%, Zinc 16.7%; - there is very little of this class of ore exposed.

Eclipse Claim

An open cut just above the tunnel portal shows a poorly exposed vein with a little pyrite. Immediately to the east of it is a strong fault striking N 30° W and dipping 75° east. The tunnel starts on the foot-wall of the vein which strikes N 10° W and dips about 75° east, but crosses the vein diagonally and at 90 feet in is entirely in the hanging-wall. About ten feet of weakly mineralized vein appears in the first east crosscut; about eight feet with slightly better mineralization in the first west crosscut, and seventeen feet of similar material in the second west crosscut. Sample 1913 covers this crosscut, 17 feet, and assays Gold .04 Oz., Silver 1.2 Oz., lead 0.42%, Zinc 0.46%. Beyond this crosscut the hanging wall swings west until it meets the footwall, leaving a fracture but no vein; there does not appear to be any cross-faulting. Beyond this point to the face, the drift follows the fracture in barren ground. The vein is composed of quartz with ankerite, and irregular pyrite, galena, and sphalerite; the sulphides are very bunchy and

Several years ago the Consolidated M. & S. Co. took an option on the property, put down several diamond drill holes, and drove the last hundred feet of tunnel. The findings in the drill holes are unknown to the owners.

GENERAL NOTES: In contrast to the veins on the Meridian property, the veins on the claims examined contain more sulphides, are more variable in width and appear to be more faulted and broken. In places they are of good width, but pinch rapidly and what the average width might be over a considerable length is problematic. A goodly number of veins is indicated, but they are cut by frequent faults, some of them probably having considerable displacement.

The impression obtained from the owners and others is that the veins are generally quite low grade, and this is to some extent borne out by the three samples taken.

It is difficult to learn much about the veins from the surface since the soil is deep and the brush is thick, still it seems that careful geological study and sampling of the property and immediate vicinity, and a general knowledge of the district is essential before a definite opinion as to the possibilities be given. However, such a study hardly seems justified.

CONCLUSION: The claims have some attractive features, but the veins are erratic in size and extent; values are also probably erratic and low. Taking into consideration also the history of the district, it seems probable that the property would not be very attractive for development after a thorough study had been made of it,

therefore I believe that no further attention be given it
at this time.

Respectfully submitted,

Chas. C. Starr

about 1500'
from edge to d.a.
(small fr)

Criterion

Peck Creek

Oyster

Sevenamou

Meridian

Lucky Jack

Common

Emerald

Noble 2

now
Buckhorn

X = MCC option

Stclair

Harvey

Harvey Jr

Moscow

Multiplex 8

Eclipse

Enclise

Prohawk

Spider

Ettie

Dut

Fregeno

Multiplex #1

Ready Money

American Bible

Multiplex 2

Multiplex 5

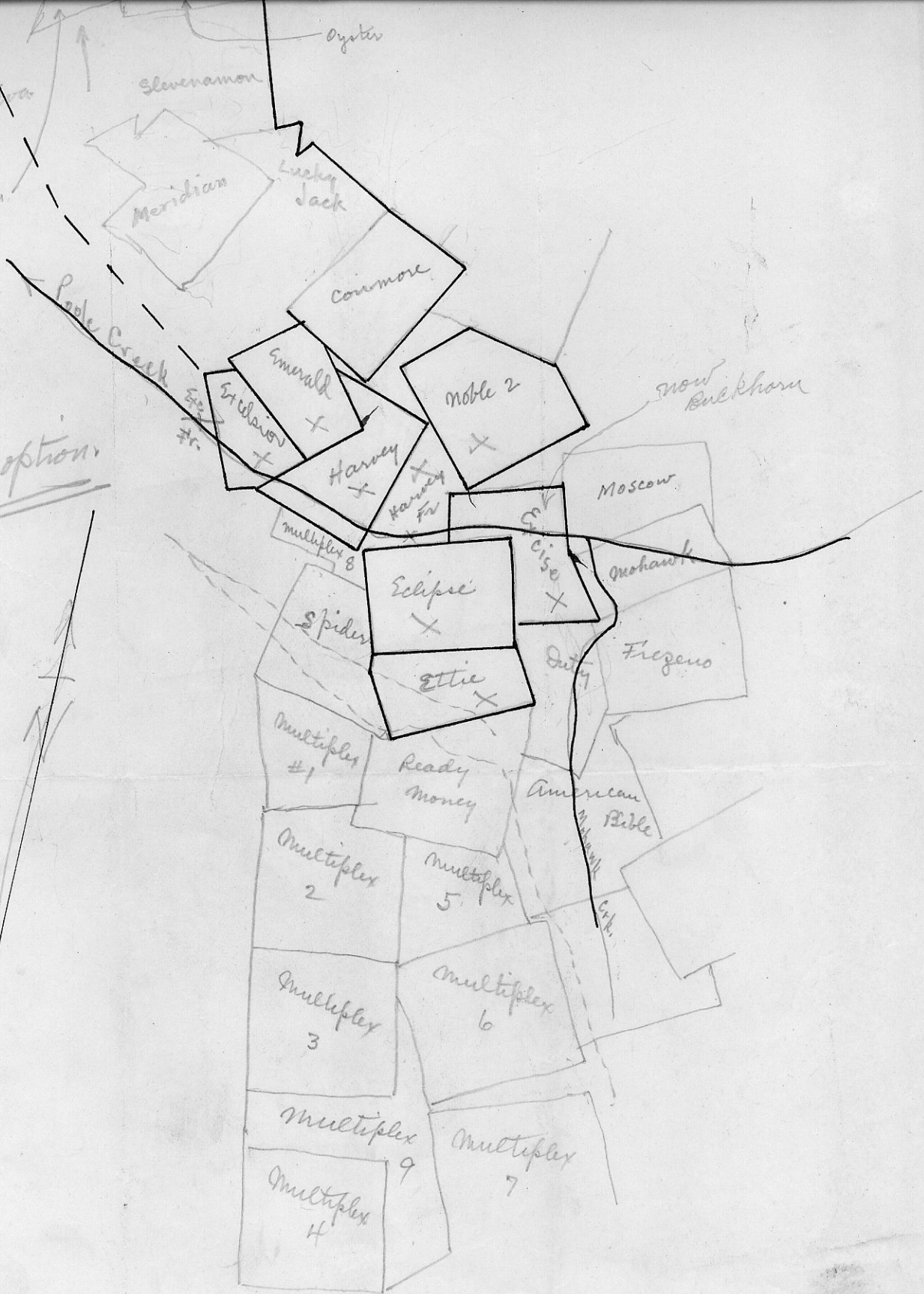
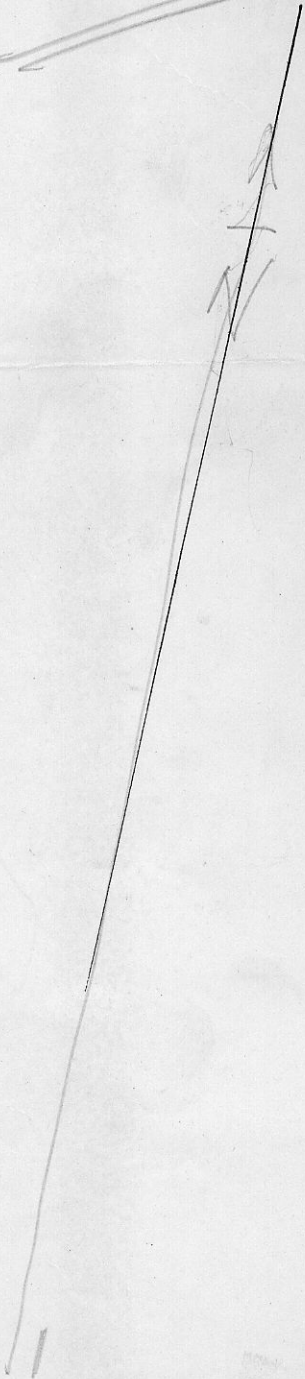
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Multiplex 6

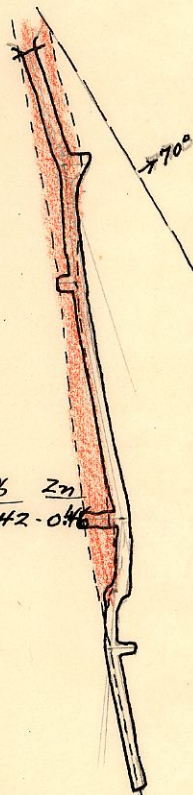
Multiplex 9

Multiplex 7

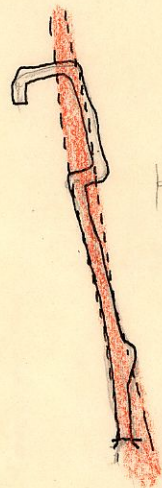
Multiplex H



N
 2891123
 1" = 80'



Ft.	Av	Ag	Pb	Zn
1913-17.0-	.04-	1.2-	0.42-	0.46

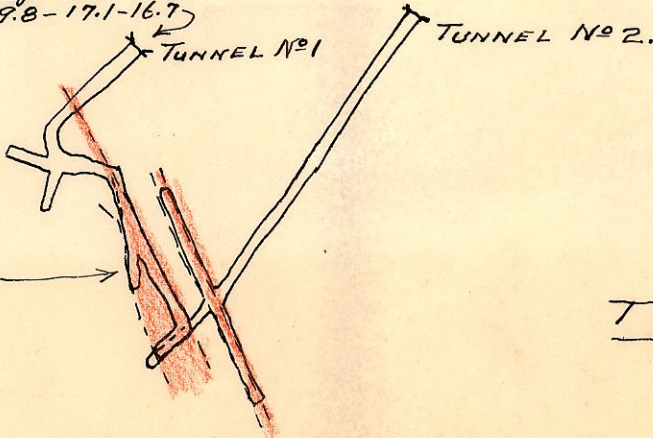


Harvey

HARVEY

ECLIPSE

At	Ag	Pb	Zn
1912-chips-	.13-	9.8-	17.1-16.7



1911-2.3-.07-1.7

TUNNELS

Scale: 1" = 80'

EXCISE

Property File.

(with Report of Exam. of Hurvey Excise Eclipse by C. C. Starr)

E. W. WIDDOWSON and CO.

PROVINCIAL ASSAYERS AND ANALYTICAL CHEMISTS
METALLURGICAL AND CHEMICAL ENGINEERS

No. 77346

IN REFERRING TO THIS PLEASE QUOTE NUMBER

NELSON, B. C.,

September 22nd., 1933.

ASSAY CERTIFICATE

WE HEREBY CERTIFY that the samples of Ore as received and assayed for Mr. Chas. C. Starr,

Vancouver, B. C.

gave the following results:

MARK OR DESCRIPTION	GOLD OUNCES	VALUE AT \$20.00 PER OZ.	SILVER OUNCES	VALUE AT PER OZ.	COPPER PER CENT AT C. PER LB.	LEAD PER CENT AT C. PER LB.	ZINC PER CENT			TOTAL VALUE PER TON
Sample No. 1911.	.07		1.7							
Sample No. 1912.	.13		9.8			17.1	16.7			
Sample No. 1913.	.04		1.2			.42	.46			

CHARGES \$ 9.75

SIGNED

E. W. Widdowson

PROVINCIAL ANALYST