

foregoing, like-
arker color than
in assay :—

None.
2,000 lbs.

If pounds, con-
egate of quartz.
b lesser portion
amular, highly

Lake Superior.
of galena and
sulphides con-
This sample

None.
000 lbs.

er Bay, Lake

ts, and carry-
ere and there

a little zinc
lliceous rock;
ortion of the

trace.
00 lbs.

d with zinc
he foregoing

None.
0 lbs.

13.—From the same locality as No. 11.

It consisted of zinc blende in a gangue closely resembling that of the two previous specimens. The zinc blende constituted about one-third, in bulk, of the sample; it contained precisely the same amount of silver as the preceding specimen, viz: 0.343 ounce to the ton of 2,000 lbs.

NORTH-WEST TERRITORY.

14.—This and the three following specimens came from the Rocky Mountains, western part of the district of Alberta.

This specimen consisted of an impure reddish-grey coloured dolomite.

It contained neither gold nor silver.

15.—An impure reddish-grey coloured fine granular quartzite, with which was associated a small quantity of galena. It contained :—

Gold..... None.
Silver..... 0.466 ounce to the ton of 2,000 lbs.

16.—Consisted for the most part of copper pyrites, associated with more or less green and blue carbonate of copper. Assays gave :—

Gold..... 0.364 ounce to the ton of 2,000 lbs.
Silver..... 28,619 " " " "

17.—This specimen consisted of chalcocite, more or less seamed and coated with green carbonate of copper.—A valuable copper ore.—It contained neither gold nor silver.

MISCELLANEOUS EXAMINATIONS.

The following determinations were carried out by Mr. Frank D. Adams :—

1.—Zinc. According to Dr. R. Bell, an extensive deposit of sphalerite occurs nine miles and a half north of the mouth of White Sand River, which latter enters Lake Superior opposite to Simpson's Island, and consequently about the middle of the north shore of the lake.

Miscellaneous
examinations.
Estimation of
zinc in blende
from White
Sand River,
L.S.

A specimen from this locality was found to contain :—

Zinc..... 54.26 per cent.

2.—Nickel and cobalt. A specimen of pyrrhotite—associated with a little chalcopyrite and sphalerite, with a small quantity of intermingled chlorite—from Pie Island, Lake Superior, was found—after drying at 100° C.,—to contain :—

Estimation of
nickel and
cobalt in
pyrrhotite
from Pie
Island, L.S.

Nickel..... 0.562 per cent.
Cobalt..... 0.138 "