



Energy, Mines and
Resources Canada

Earth Sciences

Geological Survey of Canada
601 Booth Street
Ottawa, Ontario
K1A 0E8

Énergie, Mines et
Ressources Canada

Sciences de la Terre

Commission géologique du Canada
601, rue Booth
Ottawa (Ontario)
K1A 0E8

SILVER NUGGET -

IDENTIFIED FOR

CHIMMY GREEN

ARCH CREEK

30 Dec. 87

900228

Your file Votre référence

Our file Notre référence

Grant Abbott
Exploration and Geological Services Division
Indian and Northern Affairs Canada
200 Range Road
Whitehorse, Yukon
Y1A 3V1

A-87-65

December 22, 1987

Dear Grant:

Attached are the analytical results for the metallic nugget from Reed Creek, Kluane Ranges. By SEM/EDS we found major Ag and Hg, minor Bi and Cl, and traces of Fe, Al, Mg, and Na: no complete quantitative analysis was made. This would correspond to the mineral **mercurian silver**, or the varietal names **amalgam** or **arguerite**, as may have been reported in the older literature. I have enclosed a printout of information on specimens of similar material from our collection from the Cordillera of Canada. Please note the spectrographic analysis of specimen 6 from Burwash Creek.

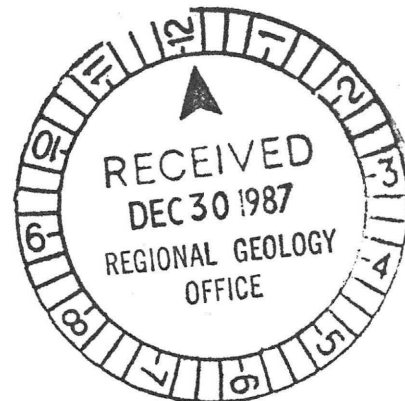
I am hoping that the sample you enclosed could be donated to the National Mineral Collection: if you need it to be returned, please let me know. If we can keep it, would you send me geographic coordinates for its occurrence? UTM co-ordinates or lat and lon would be equally welcome (I have a conversion program). By the way, I am assuming the locality is Reed Creek and not Reist Creek in map sheet 1156/12.

I will be attending the Cordilleran Roundup this year, and am presenting a poster on our mineral specimen data base, so will see you there at the beginning of February.

Season's greetings and all that!

Best regards,

Gary Abbott



Canada

Sample Examination Report

M 87-185'

Submitted by: H.G. ANSEL Date submitted: Nov. 25, 1987

Title of study: Mineral occurrences, Yukon Project No. SS0101

Sample description: grey metallic nugget TOA 87-A
(submitted by Grant Abbott, INA, Whitehorse)

Locality: Reed Creek, Klunne Ranges, Yukon 1156/12

Information and data required: composition, major and minor elements

Results:

Samples - 16/12/87

Major Hg, Hg

Minor Si, Cl

Trace Fe, Al, Mg, Na

David Walker

Signed: _____ Date: _____ Approved: _____

Mineralogy Section

Section Head

Copies to: 1. Section File 2. _____ 3. _____

DOCUMENT 1

INSTITUTION	GSC
DEPARTMENT	NATIONAL MINERAL COLLECTION
DISCIPLINE	SYSTEMATIC REFERENCE SERIES
CATALOGUE NUMBER	063637
SPECIES	Silver
VARIETY	mercurian; amalgam
CHEMICAL CLASSIF	element
CHEMICAL COMP	Ag;Hg
DESCRIPTION	unconsolidated; Flattened nuggets, silver-grey, metallic
WEIGHT	37
UNITS	g
COUNTRY	Canada
PROVINCE	British Columbia
SPECIFIC LOCALITY	Omineca Mining Division

DOCUMENT 2

INSTITUTION	GSC
DEPARTMENT	NATIONAL MINERAL COLLECTION
DISCIPLINE	SYSTEMATIC REFERENCE SERIES
CATALOGUE NUMBER	063686
SPECIES	Silver
VARIETY	mercurian; amalgam
CHEMICAL CLASSIF	element
CHEMICAL COMP	Ag;Hg
QUANTITY SPECIMEN	1
DESCRIPTION	silvery-grey nugget- metallic
WEIGHT	3
UNITS	g
COUNTRY	Canada
PROVINCE	British Columbia
SPECIFIC LOCALITY	Cassiar Dist.
MINE	Germansen River Hydraulic Mine
MAP REFERENCE	93N/10;93N/15
ACCESSION NUMBER	A-82-34
MANNER ACQUIRED	pur
SOURCE	Nagel, Joe;Univ. of British Columbia
DATE ACQUIRED	19820729
COLLECTOR	Holland, Stuart S.

DOCUMENT 3

INSTITUTION	GSC
DEPARTMENT	NATIONAL MINERAL COLLECTION
DISCIPLINE	SYSTEMATIC REFERENCE SERIES
CATALOGUE NUMBER	063685
SPECIES	Silver
VARIETY	mercurian; amalgam
CHEMICAL CLASSIF	element
CHEMICAL COMP	Ag;Hg
QUANTITY SPECIMEN	1
DESCRIPTION	flattened nugget, silvery grey, metallic

UNITS g
COUNTRY Canada
PROVINCE British Columbia
SPECIFIC LOCALITY Cassiar Dist.
MINE Germansen River Hydraulic
Mine
MAP REFERENCE 93N/10;93N/15
ACCESSION NUMBER A-82-34
MANNER ACQUIRED pur
SOURCE Nagel, Joe;Univ. of British
Columbia
DATE ACQUIRED 19820729
COLLECTOR Holland, Stuart S.

DOCUMENT 4

INSTITUTION GSC
DEPARTMENT NATIONAL MINERAL COLLECTION
DISCIPLINE SYSTEMATIC REFERENCE SERIES
CATALOGUE NUMBER 063754
SPECIES Silver
VARIETY amalgam; arquerite
CHEMICAL CLASSIF element
CHEMICAL COMP Ag;Hg
QUANTITY SPECIMEN 6
DESCRIPTION nuggets to 1 cm, grey-black
metallic
WEIGHT 2.3
UNITS g
ANALYTICAL COMP SPEC. ANAL. 65-1961: major Ag, minor
Hg, Si, Cu, trace Mg, Fe, Al, Ti, Ca,
Sb, Mn, Ba, Cr, Pb, Co, B, Sr; SPEC.
ANAL. 65-1962: major Ag, minor Hg,
Au, Cu, Si, trace Sn, Mg, Sb, Al, Ni,
Ti, Ba, Fe, Cr, Ca, Mn, Co, Pb, Sr

COUNTRY Canada
PROVINCE British Columbia
SPECIFIC LOCALITY lower part of Tom Creek, E of
Humphrey Lake, Hogem Ranges,
Cassiar Dist.

MAP REFERENCE 93N/12
LATITUDE 553600 N C
LONGITUDE 1253900 W C
UTM EASTING 330
UTM NORTHING 645
UTM ZONE 10UCS
ADDITIONAL MAP REF GSC 907A
GEOLOGICAL SETTING placer
ACCESSION NUMBER A-65-04
MANNER ACQUIRED gift
SOURCE Holland, Stuart S.
DATE ACQUIRED 19650421
ORIGINAL NUMBERS SPEC. LAB 65-1961; SPEC. LAB 65-1962

DOCUMENT 5

INSTITUTION GSC
DEPARTMENT NATIONAL MINERAL COLLECTION
DISCIPLINE SYSTEMATIC REFERENCE SERIES
CATALOGUE NUMBER 019706
SPECIES Silver
VARIETY mercurian; amalgam;
arquerite
CHEMICAL CLASSIF element
CHEMICAL COMP Ag;Hg

DESCRIPTION mass silver, placer
WEIGHT 3
UNITS g
COUNTRY Canada
PROVINCE Yukon
SPECIFIC LOCALITY Burwash Creek, S of Alaska Hwy,
 Kluane Ranges
MAP REFERENCE 115G/06
LATITUDE 612300 N C
LONGITUDE 1391400 W C
UTM EASTING 940
UTM NORTHING 065
UTM ZONE 7VEU
ADDITIONAL MAP REF GSC 1177A
CATALOGUER REF GSC Memoir 340 (1967)
MANNER ACQUIRED coll
SOURCE McConnell, Richard George
DATE ACQUIRED 19090000
COLLECTOR McConnell, Richard George
DATE COLLECTED 19090000

DOCUMENT 6

INSTITUTION GSC
DEPARTMENT NATIONAL MINERAL COLLECTION
DISCIPLINE SYSTEMATIC REFERENCE SERIES
CATALOGUE NUMBER 063755
SPECIES Silver
VARIETY amalgam; arquerite
CHEMICAL CLASSIF element
CHEMICAL COMP Ag;Hg
QUANTITY SPECIMEN 1
DESCRIPTION part of nugget, silver-grey,
 massive
WEIGHT .03
UNITS g
ANALYTICAL COMP SPEC. ANAL. 65-1733: major Ag, Hg,
 minor Pb, Sb, trace Cu, Zn, Si,
 Ca, Mn, Fe, Mg, Ni, Bi
COUNTRY Canada
PROVINCE Yukon
SPECIFIC LOCALITY Burwash Creek, S of Alaska Hwy,
 Kluane Ranges
MAP REFERENCE 115G/06
LATITUDE 612300 N C
LONGITUDE 1391400 W C
UTM EASTING 940
UTM NORTHING 065
UTM ZONE 7VEU
ADDITIONAL MAP REF GSC 1177A
GEOLOGICAL SETTING placer
ACCESSION NUMBER A-65-04
MANNER ACQUIRED gift
SOURCE Holland, Stuart S.
DATE ACQUIRED 19650421
ORIGINAL NUMBERS SPEC. LAB 65-1733
DO YOU WANT TO SEE ADDITIONAL DOCUMENTS?
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