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LIST OF ABBREVIATION

General Abbreviations and Units

SRTM	-Shuttle Radar Topography Mission
TM	-Thematic Mapper
GIS	-Geographic Information System
CVB	-Central Volcanic Belt
UNDP	-United Nations Development Programme
UN	-United Nations
DGSE	-Department of Geological Survey and Mineral Exploration
HS	-High Sulfidation
IS	-Intermediate Sulfidation
LS	-Low Sulfidation
TAS	-Total Alkali Silica
LOI	-Loss on Ignition
AD	-Air Dried
RM	-Random Mount
EG	-Ethylene glycolated
HCL	-Hydrochloric acid
pH	-Potential of hydrogen
REE	-Rare Earth Elements
P.P.L	-Plane Polarized Light
X.P.L	-Cross Polarized Light
et al.,	-And other
L	-Liquid
V	-Vapor
<i>Th</i>	-Homogenization temperature
<i>Tm</i>	-Last ice melting temperature
<i>Te</i>	-First ice melting temperature
P	-Pressure

T	-Temperature
X	-Chemical composition
p	-Fluid density
d	-depth
μm	-micrometer
mm	-millimeter
m	-meter
km	-kilometer
wt%	-weight percent
at%	-atomic percent
ppm	-part per million
ppb	-part per billion
°	-Degree
°C	-Degree Celsius
Å	- Angstrom
n.d.	- non-detected
fO_2	-oxygen fugacity
fS_2	-sulfur fugacity
K/Ar	-Potassium-Argon
XRD	-X-ray Diffraction
XRF	-X-ray Fluorescence
ICP-MS	-Inductively Couple Plasma-Mass Spectrometry
SEM-EDX	-Scanning Electron Microscopy with Energy Dispersive X-ray Analysis

Mineral Abbreviation

Adl	-Adularia
Bt	-Biotite
Pl	-Plagioclase

Cal	-Calcite
Ep	-Epidote
Qz	-Quartz
Opq	-Opaque
Ilt	-Illite
Sme	-Smectite
Kln	-Kaolinite
Kfs	-K-feldspar
Ser	-Sericite
Chl	-Chlorite
Lf	-Lithic fragment
Py	-Pyrite
Ccp	-Chalcopyrite
Gn	-Galena
Sph	-Sphalerite
Hem	-Hematite
Gth	-Goethite
Au	-Gold
Elt	-Electrum