



CERTIFICATE of AUTHOR

This Certificate of Author has been prepared to meet the requirements of National Instrument 43-101 Standards of Disclosure for Mineral Projects, Part 8.1.

a) Name, Address, Occupation:

Bernard Peters
OreWin Pty Ltd, 140 South Terrace, Adelaide South Australia 5000
Australia Mining Engineer, employed as Technical Director – Mining.

b) Title and Date of Technical Report:

"Kipushi 2017 Prefeasibility Study", with an effective date of 25 January 2018 (the "Technical Report")

c) Qualifications:

I graduated from the University of Melbourne, Australia with a Bachelor of Engineering in Mining Engineering in 1986. I am a Fellow of the Australasian Institute of Mining and Metallurgy (no. 201743). I have practised my profession continuously since 1986 and have experience in mining operations and consulting at and for projects in various countries including Australia, Bolivia, Democratic Republic of the Congo, Indonesia, Kazakhstan, Kyrgyzstan, Mongolia, Peru, Philippines, Russia and South Africa. I have managed and been responsible for studies with multidisciplinary teams of professionals in the mining industry including geology, mining engineering, and metallurgy. As a result of my qualifications and experience, I am a Qualified Person as defined in National Instrument 43-101.

d) Site Inspection:

I visited the site from Project from 1 June 2015 to 3 June 2015, 11 September 2015, 24 October 2016 and from 26 to 28 June 2017. The site visits included briefings from geology and exploration personnel, site inspections of potential areas for mining, plant and infrastructure, discussions with other QPs and review of the existing infrastructure and facilities in the local area around the Project site.

e) Responsibilities:

I am responsible for Sections 1.1, 1.2, 1.6, 1.8, 1.9, 1.14; to 1.16, 1.17.3, 1.17.6, 1.17.7, 1.17.8; Section 2; Section 3; Section 4 to 5; Section 13; Section 15; Section 16; Section 19; Section 21.1 to 21.3, 21.5 to 21.7; Section 22; Section 23 to 24; Sections 25.3, 25.6, 25.7, 25.8; Section 26.1; Section 27.

f) Independence:

I am independent of Ivanhoe Mines Ltd. in accordance with the application of Section 1.5 of National Instrument 43-101.

g) Prior Involvement:

I have been working on various aspects of the studies of the project since 2008.

h) Compliance with NI 43-101:

I have read National Instrument 43-101 and Form 43-101F1 and the Technical Report has been prepared in compliance with same.

i) Disclosure:

As of 25 January 2018, to the best of my knowledge, information and belief, the sections of the Technical Report for which I am responsible contain all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated: 26 January 2018.

/s/Bernard Peters

Bernard Peters
Technical Director - Mining
OreWin Pty Ltd