

## CERTIFICATE OF QUALIFIED PERSON

I, Dr. Harry Parker, RM SME, am employed as a Consulting Geologist and Geostatistician with Amec Foster Wheeler E&C Services Inc. (“Amec Foster Wheeler”).

This certificate applies to the technical report titled “Kakula 2016 Preliminary Economic Assessment” that has an effective date of 20 January, 2017 (the “technical report”).

I am a Fellow of the Australian Institute of Mining and Metallurgy (FAusIMM #113051), and a Registered Member of the Society for Mining, Metallurgy and Exploration (#2460450). I am a Professional Geologist in California (#3402), in Arizona (#13317), and in Minnesota (#49606).

I graduated from Stanford University with BSc and PhD degrees in Geology in 1967 and 1975 respectively. I graduated from Harvard University in 1969 with an AM degree in Geology. I graduated from Stanford University with an MSc degree in Statistics in 1974.

I have practiced my profession for 50 years during which time I have been involved in the estimation of Mineral Resources and Mineral Reserves for various mineral exploration projects and operating mines. I have previously estimated or audited Mineral Resources for sediment-hosted copper deposits, including Konkola, Nchanga, Chambishi, and Mufulira in Zambia, and have prepared Competent Person’s reports on the entire mining operations of the Zambian Copperbelt.

As a result of my experience and qualifications, I am a Qualified Person as defined in National Instrument 43–101 *Standards of Disclosure for Mineral Projects* (“NI 43–101”).

I visited the Kamoa–Kakula Project between the following dates: 1 and 3 May, 2009, 27 to 30 April 2010, 12–14 November, 2012, and most recently from 17 to 19 January 2017.

I am responsible for Sections 1.2, 1.5 to 1.9, 1.11, 1.14.2, 1.15.2; Section 2; Section 3; Section 6; Section 7; Section 8; Section 9; Sections 10.1 to 10.6, 10.10 to 10.12; Sections 11.1 to 11.2, 11.4 to 11.11; Section 12, Section 14; Section 25.2; Sections 26.3; Section 27 of the technical report.

I am independent of Ivanhoe Mines Ltd., as independence is described by Section 1.5 of NI 43–101.

I have been involved with the Kamoa–Kakula Project since March 2009, and I have previously co-authored the following technical reports on the project:

- Peters, B.F., Parker, H.M., Seibel, G., Jakubek, J., Annavarapu, S., and David, D., 2012: Ivanplats Limited, Kamoa Project, Katanga Province, D.R.C., NI 43-101 Technical Report: technical report prepared for Ivanplats Limited by AMC Consultants Pty Ltd, AMEC E&C Services Inc., SRK Consulting Inc and Stantec Inc., effective date 5 September 2012.
- Parker, H.M., Seibel, G., David, D., Peters, B., Jakubek, J., and Lawson, M., 2013: Ivanplats Limited, Kamoa Copper Project, Katanga Province, Democratic Republic of Congo, NI 43-101 Technical Report on Updated Mineral Resource Estimate: technical report prepared for Ivanplats

Limited by AMEC E&C Services Inc., AMC Consultants Pty Ltd, SRK Consulting Inc and Stantec Inc., effective date 11 March, 2013.

- Peters, B., Parker, H., Seibel, G., Jakubec, J., Lawson, M., Weissenberger, A., and Marais, F., 2013: Kamoas 2013 Preliminary Economic Assessment, Kamoas Copper Project, Ivanhoe Mines Limited: technical report prepared for Ivanhoe Mines Limited by AMC Consultants Pty Ltd, AMEC E&C Services Inc, SRK Consulting Inc, Stantec Consulting International LLC, Hatch Ltd and Golder Associates Africa Pty Ltd., effective date 15 November, 2013.
- Peters, B., Parker, H., Seibel, G., Joughlin, W., and David, D., 2016: Kamoas 2016 Prefeasibility Study: technical report prepared for Ivanhoe Mines Limited by OreWin Pty Ltd, Amec Foster Wheeler E&C Services Inc, Amec Foster Wheeler Australia Pty Ltd, SRK Consulting (South Africa) Pty Ltd, and Stantec Consulting International LLC, effective date 29 March, 2016.
- Peters, B., Parker, H., Seibel, G., Joughlin, W., Edwards, J., 2016: Kamoas-Kakula 2016 Resource Technical Report: technical report prepared for Ivanhoe Mines Limited by OreWin Pty Ltd, Amec Foster Wheeler E&C Services Inc, SRK Consulting (South Africa) Pty Ltd, and MDM (Technical) Africa Pty Ltd, effective date 18 November, 2016.

I have read NI 43-101 and the sections of the technical report for which I am responsible have been prepared in compliance with that Instrument.

As of the effective date of the technical report, 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 those sections of the technical report not misleading.

Dated: 27 January 2017

*"Signed and stamped"*

Dr Harry M Parker, RM SME.