Suite 500 - 980 Howe Street, Vancouver, BC Canada V6Z 0C8 Telephone (604) 684-5900 Fax (604) 684-5909

Transmittal

To: Victoria Gold Corporation Doc. No.:

Attention: Stephen Wilbur cc:

From: Andrew Krentz Date: March 9, 2020

Subject: Eagle Gold Project 2020 Numerical Hydrogeological Model Update –

FINAL

Project No.: 0792028

BGC was retained by Victoria Gold Corporation to review and process physical hydrogeological data collected throughout 2019. Within this scope of services, Victoria Gold requested that BGC provide hydrographs and an accompanying water level transmittal memo by the first week of March (email from Stephen Wilbur, personal communication, February 20, 2020). These items are included herein.

Groundwater monitoring data was provided to BGC Engineering Inc. (BGC) by Victoria Gold Corporation on January 23, 2020 via the Strata Gold File Transfer Protocol (FTP) site. The files provided included field notes, manual depth to water measurements, RST Vibrating Wire Piezometer (VWP) data, and data from Solinst pressure transducers (Leveloggers and Barologgers). A summary of the monitoring wells for which data from 2019 were (or were not) received is provided in Table 1 (attached). The data was processed by BGC to produce hydrograph plots showing the groundwater elevation through time at each location (Drawings 01 through 42, attached). The tasks completed by BGC to produce the hydrographs include:

- 1. Reviewing the data to identify gaps, inconsistencies and duplicates. Several locations were identified as damaged.
- Converting manual depth to water measurements to groundwater elevations using survey data and casing stickup measurements from previous groundwater reports (BGC, July 7, 2013 and April 17, 2014), borehole logs provided by Victoria Gold, and site investigation reports (BGC, June 26, 2019).
- 3. Compiling a continuous record of barometric conditions. Data was taken from several Barologgers located throughout site, and gaps in the record were filled using data from the Main Camp Weather Station (MCWS). Elevation differences between the different barometric monitoring points were accounted for by applying a linear correction.
- 4. Barometrically correcting the Levelogger data using the continuous barometric record. The corrected data was converted from units of pressure into groundwater elevations using the manual groundwater elevation data. During this step, the data were corrected for discrepancies associated with deploying the loggers at inconsistent depths throughout time. The manual data generally aligned well with the barometrically corrected datalogger data. However, manual measurements approximately 0.5 m lower than the corresponding datalogger data were received for several locations.

- 5. The VWP data received were already converted to groundwater elevations by Victoria Gold Corporation using a spreadsheet provided to Victoria Gold by BGC in October, 2019. The calculations were reviewed by BGC, and no errors were found. The values calculated by Victoria Gold were therefore added to the hydrographs.
- 6. The processed Levelogger data were converted to average daily values to decrease the volume of data to be plotted and the associated file sizes. All data were plotted using Golden Software's Grapher (Version 13), and relevant field notes were added to each plot. For select locations with less than two years of data, all data received were plotted to improve the continuity of the hydrographs.
- 7. Climate data from MCWS (782 m) were added in a second plot below each of the hydrographs. The climate data were provided to BGC by Lorax Environmental Services Ltd. and were converted to daily averages (for temperature) and daily totals (for precipitation) prior to plotting.

CLOSURE

BGC Engineering Inc. (BGC) prepared this document for the account of Victoria Eagle Gold. The material in it reflects the judgment of BGC staff in light of the information available to BGC at the time of document preparation. Any use which a third party makes of this document or any reliance on decisions to be based on it is the responsibility of such third parties. BGC accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this document.

As a mutual protection to our client, the public, and ourselves all documents and drawings are submitted for the confidential information of our client for a specific project. Authorization for any use and/or publication of this document or any data, statements, conclusions or abstracts from or regarding our documents and drawings, through any form of print or electronic media, including without limitation, posting or reproduction of same on any website, is reserved pending BGC's written approval. A record copy of this document is on file at BGC. That copy takes precedence over any other copy or reproduction of this document.

Yours sincerely,

BGC ENGINEERING INC.

per:

Andrew Krentz, M.ASc. P.Eng. (BC) Hydrogeological Engineer

Reviewed by:

Trevor Crozier, M.Eng., P.Eng. Principal Hydrogeological Engineer

AK/TC/wn/syt

Attachment(s): Tables

Hydrographs

Olenka Forde, Ph.D. Hydrogeologist

REFERENCES

- BGC Engineering Inc. (2013, July 7). *Victoria Gold Corp. Eagle Gold Project 2012 Groundwater Data Report* [Report]. Prepared for Victoria Gold Corporation.
- BGC Engineering Inc. (2014, April 17). *Victoria Gold Corporation Eagle Gold Project Numerical Hydrogeologic Model* [Report]. Prepared for Victoria Gold Corporation.
- BGC Engineering Inc. (2019, June 26). 2019 Eagle Gold Monitoring Wells [Memo]. Prepared for Victoria Gold Corporation.
- BGC Engineering Inc. (2020, January 6). *Proposal for Eagle Gold Groundwater Model Update Rev 1* [Proposal]. Prepared for Victoria Gold Corporation. BGC Prop. No. P19361.

March 9, 2020

Project No.: 0792028

TABLE

March 9, 2020 Project No.: 0792028

Table 1. Summary of 2019 data for monitoring wells at Eagle Gold.

March 9, 2020 Project No.: 0792028

Table 1. Summary of 2019 data for monitoring wells at Eagle Gold.		
Well	2019 Data Received (Y/N)	Manual (M) and/or Logger (L)
BH-BGC11-26	Υ	M
BH-BGC11-72	Υ	M L
BH-BGC11-73	Υ	L
BH-BGC11-74	Υ	M L
MW09-AG1	N	-
MW09-AG2	N	-
MW09-DG1	N	-
MW09-DG2	N	-
MW09-DG4	N	-
MW09-OG3	N	-
MW09-STU2	N	-
MW10-AG3A	Υ	M L
MW10-AG3B	Υ	M
MW10-AG5	N	-
MW10-AG6	Υ	M
MW10-DG6	Υ	M
MW10-OBS-1	Υ	M L
MW10-PG1	Υ	M L
MW18-DG2R	Υ	M L
MW19-DG6RA	Υ	ML
MW19-DG6RB	Υ	M
MW19-EPW1A	Υ	M L
MW19-EPW1B	Y	M L
MW19-EVP1A	Υ	M
MW19-EVP1B	Υ	M
MW19-EVP2A	Υ	M
MW19-EVP2B	Υ	M
MW19-HLF1A	Υ	M L
MW19-HLF1B	Υ	M
MW19-LDSP-2A	Υ	M L
MW19-LDSP-2B	Υ	M L
MW19-PWG1A	Υ	M L
MW19-PWG1B	N	-
MW96-13A	Υ	M L
MW96-13B	Υ	M L
MW96-14B	Υ	М
MW96-15	Υ	ML
MW96-17A	N	-
MW96-17B	Υ	М
MW96-19	N	-
MW96-23	N	-
MW96-9B	Υ	ML

HYDROGRAPHS

March 9, 2020 Project No.: 0792028



















































































