16 December 2020

EXPLORATION UPDATE PICKLE LAKE GOLD PROJECT

HIGHLIGHTS

- **Ardiden expands drill planning at its district-scale 857km^2 Pickle Lake Gold Project in north-western Ontario, Canada.**
- **Permit Application accepted from Ontario Mines Department to drill at the highly prospective Esker Gold Prospect, a Tier-1 scale brownfields target, vastly underexplored, and adjacent to the Golden Patricia Gold Mine.**
- **Winter drilling at the brownfields South Limb Gold Prospect planned to commence January 2021 testing along strike of the Dona Lake Gold Mine.**
- **Ardiden's 'Summer' drill campaign at its Kasagiminnis Gold Deposit completed without incident with a total of 3,117m completed over 15 holes from 5 drill pads.**
- **Best results to date from Ardiden's drilling at its Kasagiminnis Gold Deposit include:**
    - **6.0m @ 4.23 g/t Au** in KAS2002 incl.**2m @ 9.53g/t Au**
    - **6.5m @ 4.28 g/t Au** in KAS 2003
    - **1m @ 27.6 g/t Au** and **4.7m @ 4.1g/t Au** in KAS1801
    - **21.0m @ 3.97g/t Au** in KAS1804 incl. **12.5m @ 5.90 g/t Au** and **2.8m @ 9.17g/t Au**
    - **0.5m @ 21.2 g/t Au** in KAS1806 incl. **3.4m @5.52 g/t Au**
    - **15.4m @ 3.21 g/t Au** in KAS1808
    - **26.2m @ 3.19g/t Au** in KAS1810
    - **Results received from holes KAS2005-2010 on drill pads 3 and 4, testing a possible western extension of the Kasagiminnis gold mineralisation.**
    - **Assays still pending for holes KAS2012 and KAS2014, drilled within the main mineralised zone at Kasagiminnis.**
- **Kasagiminnis resource definition drilling to continue after South Limb drilling, in February 2021, over the highly prospective and untested eastern strike length extension.**
- **Progress underway with development of a Winter vehicle track from the main highway to the Kasagiminnis Deposit to improve logistics and efficiencies.**
- **Strong cash position with cash balance of AUD3.6m as of 15th December 2020.**

Ardiden Limited (ASX: ADV) is pleased to confirm the completion of its Summer drilling campaign at the Kasagiminnis Gold Deposit, one of 22 identified Gold Deposits and Prospects at is district-scale **Pickle Lake Gold Project** in north-west Ontario (Figure 1).

Planning is now well advanced to expand drilling further out to both the **South Limb** and **Esker Gold Prospects** next year, in addition to further resource drilling at **Kasagiminnis** in 2021.

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Ardiden MD & CEO, Rob Longley said *"Over the past twelve months we have built a compelling, fully connected gold landholding at Pickle Lake with **22 identified gold deposits and prospects**. The recent drilling at Kas has been a great start to our increase in exploration and drilling activities at our Pickle Lake Gold Project.*

*While we await final results for the last few holes of this programme at Kas, we are already preparing for Winter drilling both at **Kas** and at the two Brownfields Gold Prospects, **South Limb** and **Esker**. Both of these Gold Prospects are geological extensions of high-grade underground gold mines, and we are genuinely excited with what lies ahead next year on the exploration front for Ardiden.*

*The **South Limb Gold Prospect**, 17km north-west of Kas, is fully permitted to drill and we will start there in January, and then 'skid' the rig back over to Kas along the Winter trail that we are currently building.*

*The Mag survey we completed over the **Esker and New Patricia Gold Prospects** has some really enticing Tier-1 scale structural targets which are just screaming out to be drill tested. We have commenced the permitting process to accelerate our ability to work the Western Hub, as well as our Eastern Hub Gold Prospects, in 2021.*

We have successfully completed a 3,117m drill programme at Kas safely, and in harmony with our local stakeholders during the Covid-19 epidemic, which demonstrates our ability to operate professionally and responsibly in the region. This is now paying dividends with application for additional drilling permits and expanding our First Nation relationships.

Ardiden's drilling has now confirmed a significant gold mineralised system at Kas. The pending results from the last few holes are anticipated in January, and are located back towards the east, where the upcoming 4000m Winter drilling is also planned, inside what we believe is the most prospective part of the Kas structure".

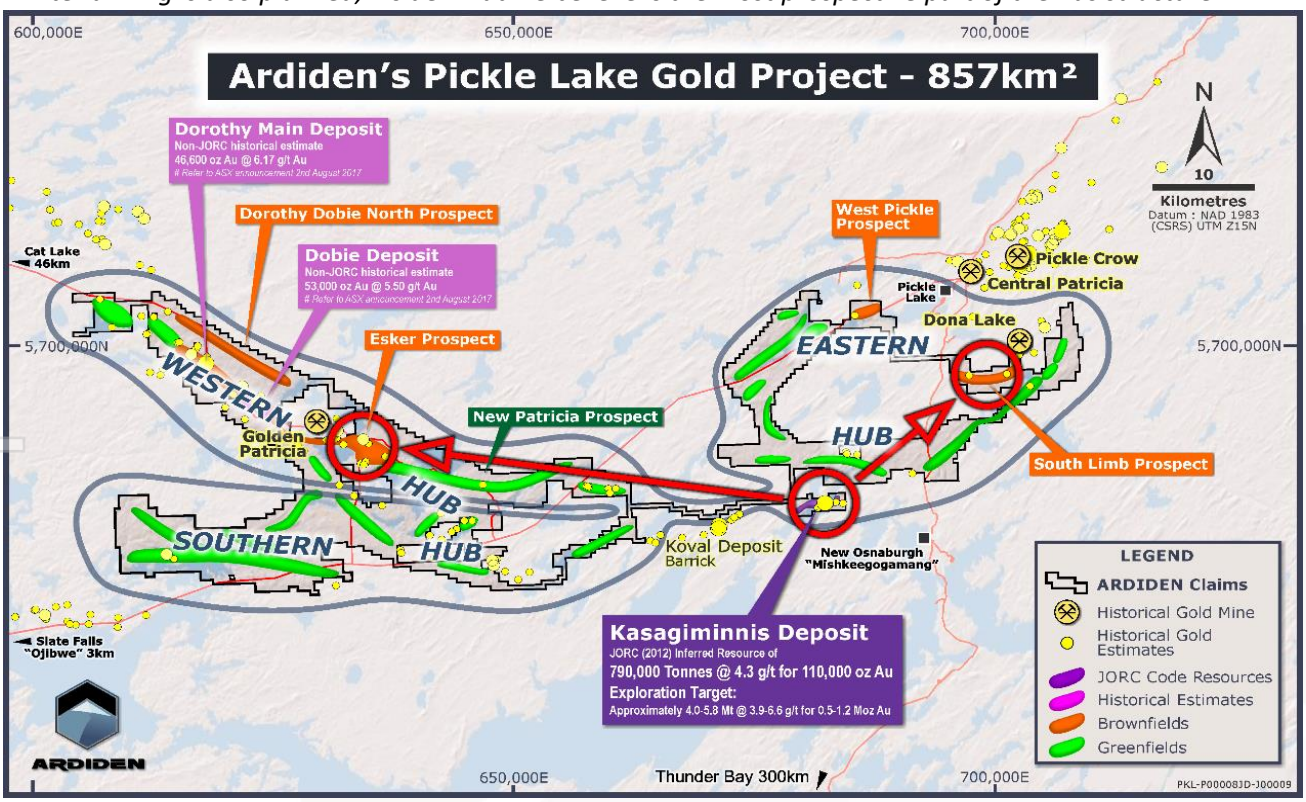

Figure 1 - Gold Prospect Locations Planned for Drilling in 2021 at Kasagiminnis, South Limb and Esker.

** Note: The quantities and grades stated for all Exploration Targets is conceptual in nature and there has been insufficient exploration to define Mineral Resources at these targets and it is uncertain if further exploration of these targets will produce results the permit Mineral Resources to be estimated.*

Esker Gold Prospect – Mines Department Permit To Drill

With the objective of expanding exploration activities into the Western Hub and commencing drilling at the Esker Gold Prospect during 2021, Ardiden has applied to the Mines Department for a Permit to undertake exploration work at Esker, which has been accepted. First Nation Agreement discussions are now also well underway.

A review of airborne magnetics flown by the Company (refer ASX announcement 13 October 2020) over the entire New Patricia Gold Prospect revealed multiple Tier-1 large-scale structural targets, similar to known gold mine settings in the District, namely **Golden Patricia (Barrick) and Musselwhite (Newmont).**

Of these targets, the **Esker Gold Prospect** is the most obvious large-scale structure, that is a Brownfield target, directly along strike of the Golden Patricia Gold Mine. Mined between 1988 and 1997, the underground Golden Patricia Mine produced 619,796oz gold at 15.2 g/t Au* to depths of 750m below surface.

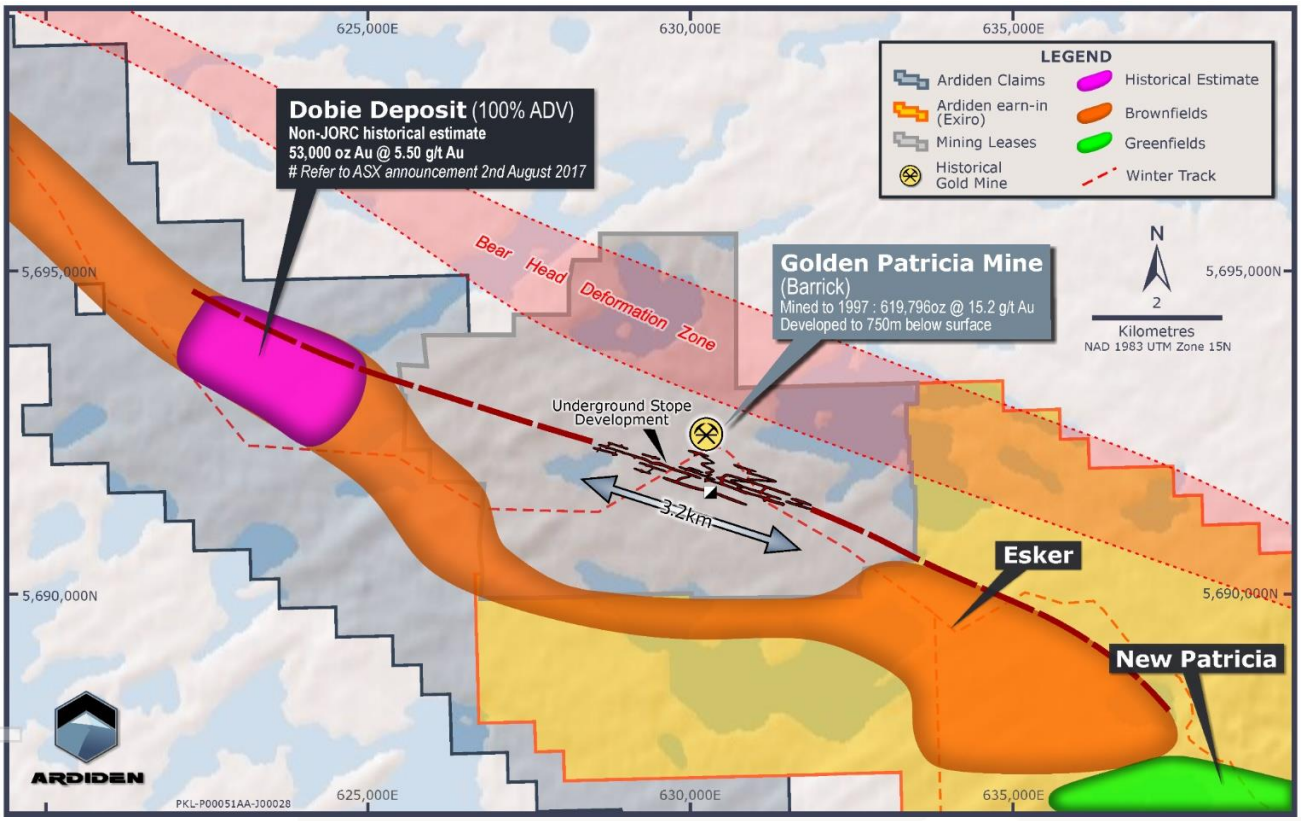

Figure 2-The Esker Gold Prospect – A Brownfield's Target along strike of Barrick's Golden Patricia Mine

** The historical resource estimates are not reported in accordance with the JORC Code and a competent person has not done sufficient work to classify the historical estimates as mineral resources in accordance with the JORC Code. It is uncertain that following evaluation and further exploration work that the historical estimates will be able to be reported as mineral resources in accordance with the JORC Code.*

**Information in relation to historical gold production at the Dona Lake and Golden Patricia Mine above has been referenced from three sources of publication, namely: 1. Harron, G. A. 2009. Technical Report on Three Gold Exploration Properties Pickle Lake Area, Ontario, Canada. G.A. Harron, P.Eng., G.A. Harron & Associates Inc. 2. Smyk, M., Hollings, P. and Pettigrew, N., 2015. Geology and Mineral Deposits of The Pickle Lake Greenstone Belt. Institute on Lake Superior Geology, May 20-24, 2015 Field Trip Guidebook and 3. Puumala, M. A. 2009. Mineral Occurrences of the Central and Eastern Uchi Domain. Ontario Geological Survey, Open File Report 6228*

South Limb Gold Prospect - Drill Preparation

Drilling at Ardiden's South Limb Gold Prospect will commence in January 2020. South Limb is situated 17km north-east of Kasagiminnis and directly adjoins Newmont's **Dona Lake Gold Mine.** Dona Lake produced 246,500oz of gold at 6.6g/t Au* to a depth of 450m before its closure in 1993 as a result of a weak gold price.

As illustrated on Figure 3, Ardiden has designed a five-hole, 1000m diamond drill programme at South Limb to provide an initial test of mineralisation within the Iron Formations extending south from the Dona Lake Gold mine.

The concentration of Iron Formation in this largely untested area, in close proximity to a known gold deposit, makes this a high priority target to drill test.

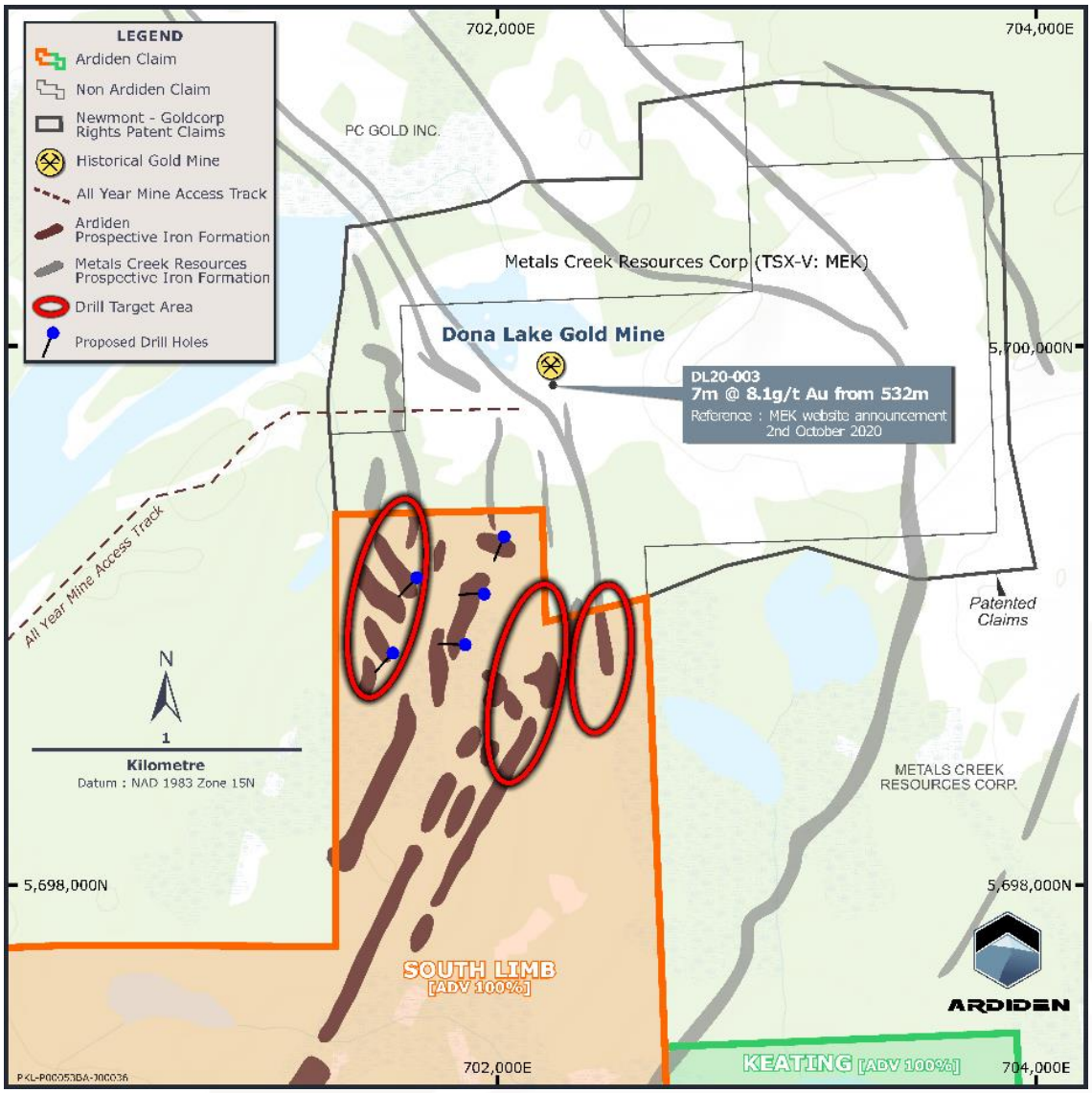

Figure 3- South Limb Drill Programme Planned for January 2021.

In readiness for January drilling, the drill rig on site has been converted to 'skid' mode (Figure 4) and will be pulled into position by the dozer, currently in use for construction of the Winter Trail to Kasagiminnis.

Figure 4-Drill Rig undergoing conversion to 'skid' mode for Winter ease of movement by Dozer

Kasagiminnis Gold Deposit - Drilling Progress

The Summer campaign at Kasagiminnis has been completed with 15 holes drilled from 5 Pads (Figure 5) for a total of 3,117m of diamond core drilling. Winter drilling at Kasagiminnis over the frozen lake, will recommence in the new year after the short drill programme is completed at the nearby South Limb Gold Prospect.

The Kasagiminnis Gold Deposit currently has a **Maiden JORC (2012) Inferred Resource estimate of 110,000oz @ 4.30 g/t Au** and as evident on the map below, Ardiden's two campaigns of drilling to date at Kasagiminnis, has demonstrated a significant mineralised gold system that warrants additional exploration work.

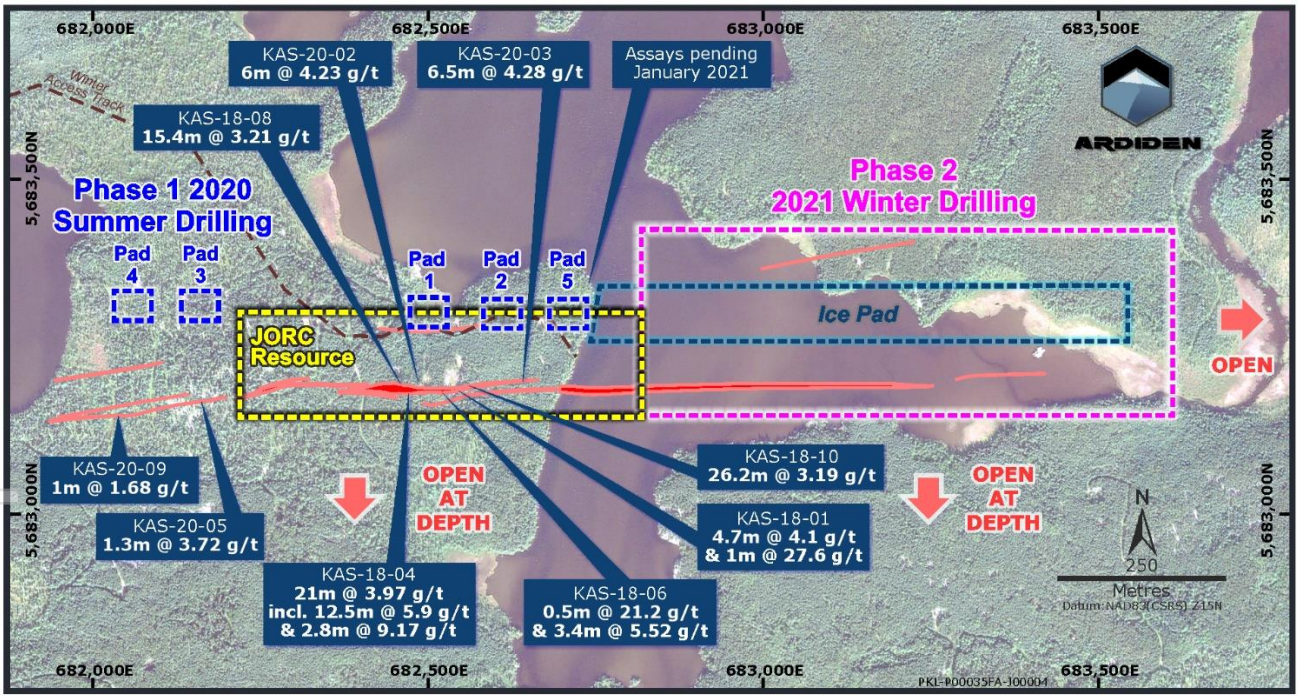

Figure 5 – 'Summer' Drill pads (1-5) completed at the Kasagiminnis Gold Deposit and Planned Winter Drilling Area to the East

Gold intercepts of **3.72g/t Au (KAS2005)** from drilling at Pads 3 and 4 to the west, suggests the gold mineralisation here is either offset further north or is less pronounced in this near-surface western zone. Drilling was therefore relocated back to the central portion on Pad 1 to test further below (380m) the **6m @ 4.23g/t Au including 2m @ 9.53g/t Au** intercept in KAS2002. Assays are still pending for this hole and for a subsequent new drill hole (KAS2014) drilled on the edge of the Lake at Pad 5.

As illustrated on the Kasagiminnis long section below (Figure 6), structural measurements and geological interpretation is suggesting a significant plunge of the gold mineralisation to the east.

The 4000m Winter drill campaign at Kasagiminnis will test to the east from the shallow Lake that is already starting to freeze, with temperatures in Pickle Lake already dropping to minus 20 degrees centigrade. Ardiden will also conduct a UAV-mounted Magnetic survey over the entire Kasagiminnis mineralised area in early January, to assist drill positioning onto the most prospective structures and lithologies.

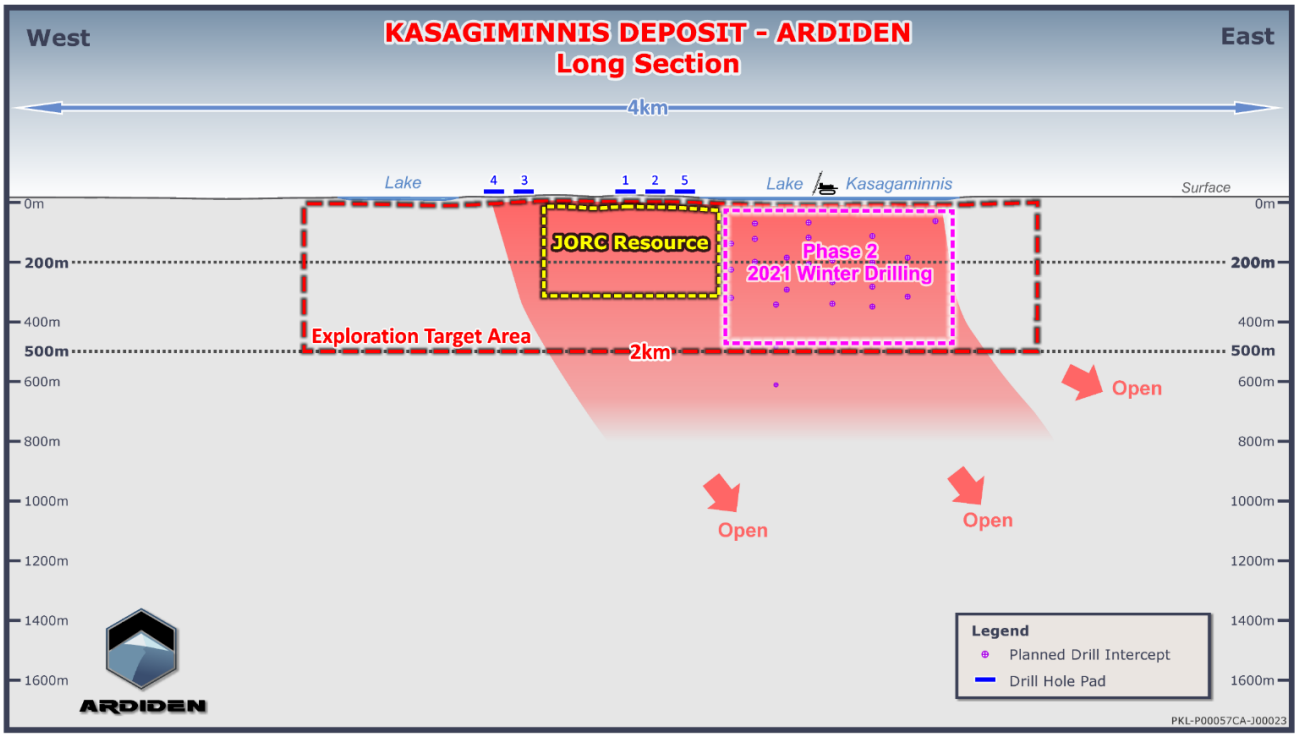

Figure 6 – Long Section Kasagiminnis Gold Deposit

Access to the area will also be more efficient now that work permits have been approved and the construction of a Winter trail to Kasagiminnis from the main highway, is well underway (Figure 7).

Figure 7 – Construction of Winter Trail to the Kasagiminnis Gold Deposit

In addition to the main zone at Kasagiminnis, interpretation of geophysics has identified several other prospective structures nearby that have not been drill tested (Figure 8).

Due to other priorities, the team were unable to test below the historical intercept of **4.24m @ 21.0 g/t Au** from KAS87006, (refer to ASX announcement 27 May 2020) but with a Winter trail being constructed to Site, accessing these target areas will be more cost efficient in the New Year.

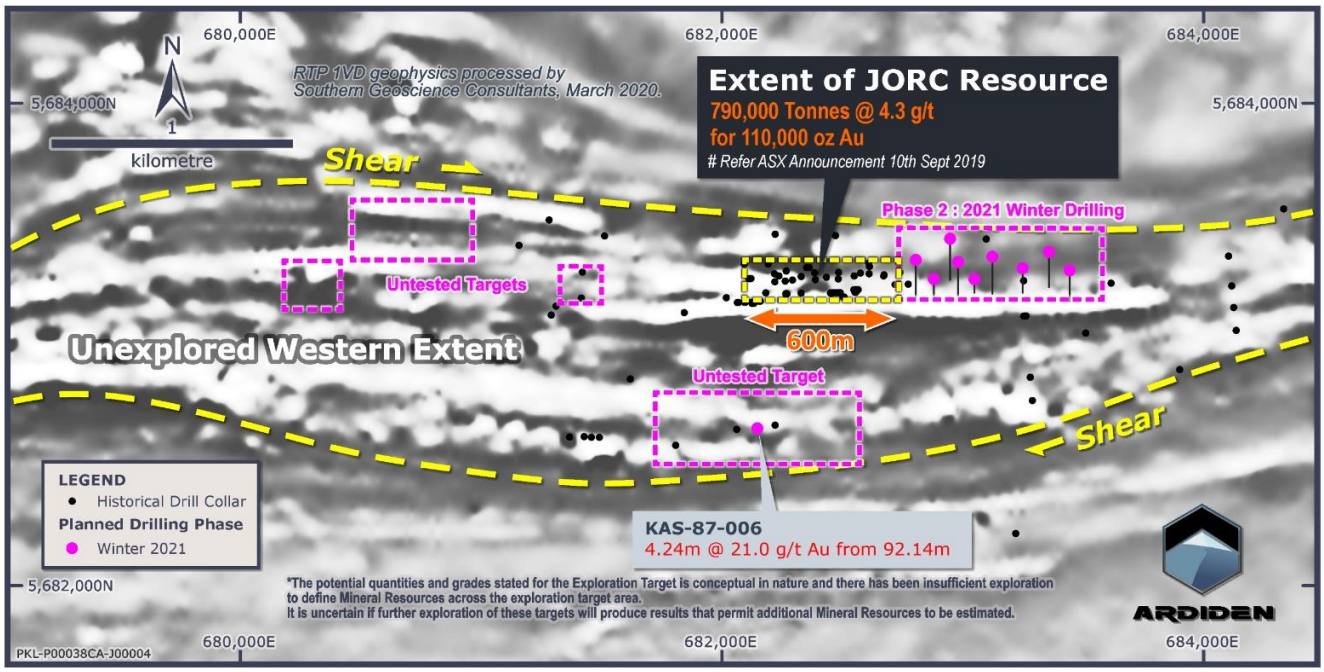

Figure 8 – Broader Targets (in magenta) at the Kasagiminnis Gold Deposit

Laboratories in Thunder Bay have been inundated with samples from what has been a very active drilling season in north-western Ontario but final assays should be received in early January.

Ardiden has reported no safety issues across its exploration operations and all work has been conducted with strict COVID-19 protocols in place and in close communication with local First Nation Communities and stakeholders.

The Exploration potential at the Kasagiminnis Gold Deposit remains outstanding due to the lack of systematic previous work and Ardiden is working progressively towards its Exploration Target* of 4.0 to 5.8 million tonnes at a grade ranging between 3.9 to 6.6 g/t Au (500,000 oz - 1.2 Moz Au).

This is potentially achievable through sensible and smart exploration drilling campaigns over time, however by expanding drilling to South Limb, Esker and then the massive Dorothy-Dobie mineralised system, the Company is enhancing its ability to make a significant Tier-1 scale gold Deposit discovery at its Pickle Lake Gold Project.

** Note: The quantities and grades stated for all Exploration Targets is conceptual in nature and there has been insufficient exploration to define Mineral Resources at these targets and it is uncertain if further exploration of these targets will produce results the permit Mineral Resources to be estimated.*

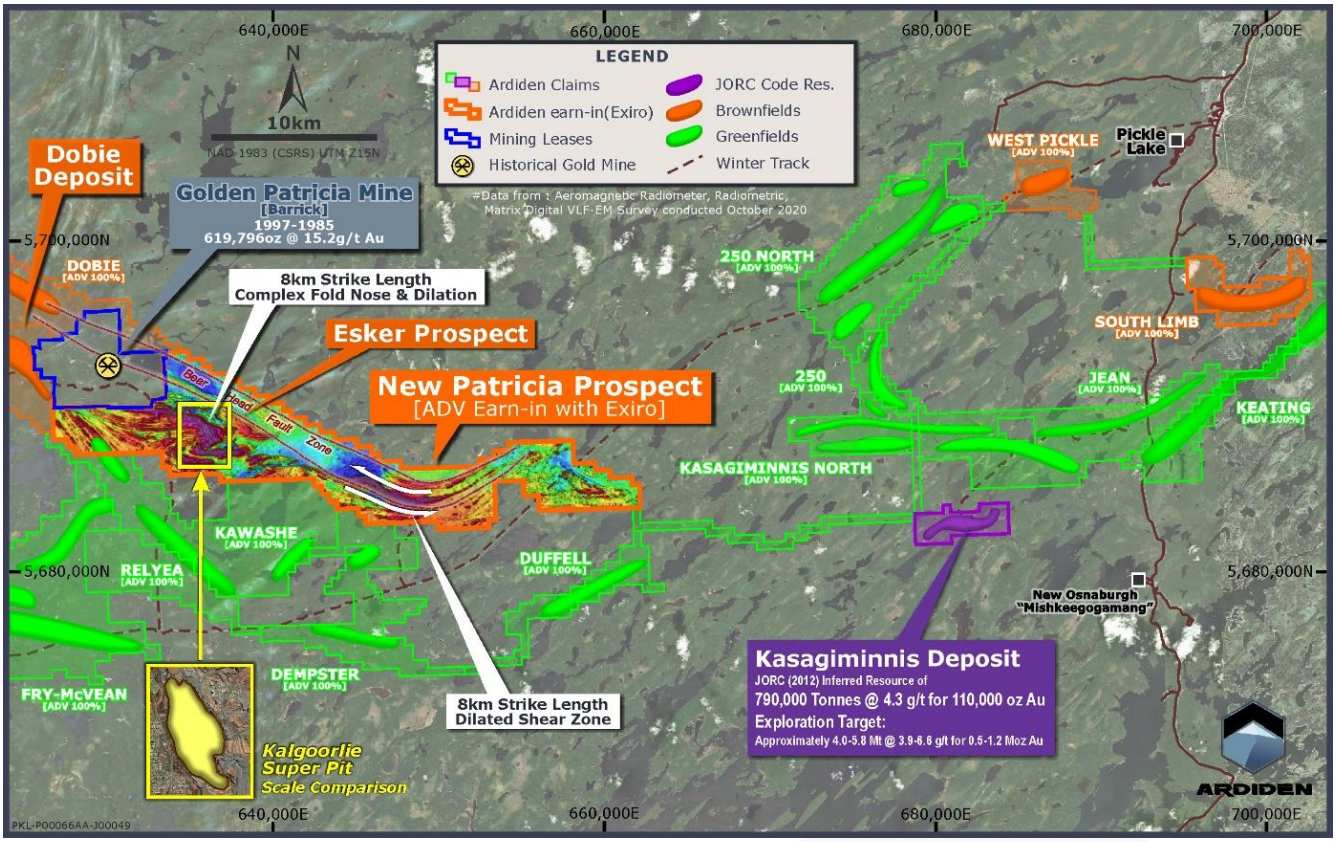

Figure 9- Location of Kasagiminnis, South Limb and Esker Gold Prospects at Ardiden's Pickle Lake Gold Project

Authorised for release to ASX by Rob Longley, Managing Director and CEO.

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Forward Looking Statement

This announcement may contain some references to forecasts, estimates, assumptions and other forward-looking statements. Although the company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions, it can give no assurance that they will be achieved. They may be affected by a variety of variables and changes in underlying assumptions that are subject to risk factors associated with the nature of the business, which could cause actual results to differ materially from those expressed herein. All references to dollars ($) and cents in this presentation are to Australian currency, unless otherwise stated. Investors should make and rely upon their own enquires and assessments before deciding to acquire or deal in the Company's securities.

Competent Person's Statement

The information in this report that relates to ***Exploration Results and Exploration Targets at the Pickle Lake Prospects*** *is based on, and fairly represents, information and supporting documentation prepared by Mr Robin Longley, a Member of the Australian Institute of Geoscientists. Mr Longley is a full-time employee of Ardiden Limited. Mr Longley has sufficient experience which is relevant to the style of mineralisation and type of deposit and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Longley consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.*

The information in this report that relates to JORC ***Mineral Resources*** *is based on is based on, and fairly represents, information and supporting documentation prepared by Mr Robin Longley, a Member of the Australian Institute of Geoscientists, and Mrs Christine Standing, a Member of the Australian Institute of Geoscientists and a Member of the Australasian Institute of Mining and Metallurgy. Mr Longley is a full-time employee of Ardiden Limited. Mrs Standing is employed by Optiro Pty Ltd and is a consultant to Ardiden. Mr Longley and Mrs Standing have sufficient experience which is relevant to the style of mineralisation and type of deposit and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Longley and Mrs Standing consent to the inclusion in this report of the matters based on this information in the form and context in which it appears.*

The Company confirms it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning the mineral resource estimates continue to apply and have not materially changed.

The information in this report that relates to ***non-JORC Historical Estimates*** *is based on is based on, and fairly represents, information and supporting documentation prepared by Mr Robin Longley, a Member of the Australian Institute of Geoscientists. The information in this announcement provided under ASX Listing Rules 5.12.2 to 5.12.7 is an accurate representation of the available data and studies for the Pickle Lake Gold Project. Mr Longley is a full-time employee of Ardiden Limited. Mr Longley consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.*

References and sources of information: ***Dona Lake and Golden Patricia Mine production****:*

- Harron, 2009 NI43-101 Technical Report on "*Three Gold Exploration Properties Pickle Lake Area, Ontario, Canada, for Manicouagan Minerals Inc", G.A. Harron, P.Eng., G.A. Harron & Associates Inc, October 13, 2009.*
    - www.murchisonminerals.com/site/assets/files/5443/pickel-lake-project_tehcnical_report.pdf
    - The 2009 Harron report relies upon the following references for the non-JORC historical estimates:
        - *Blackburn, C.E., Hailstone, M.R., Parker, J. and Story, C.C., 1988, Kenora Resident Geologist's Report – 1988; p. 3-46 in Report of Activities 1988, Resident Geologists edited by K.G. Fenwick, P.E. Giblin and A.E. Pitts, Ont. Geol. Surtv, MP 142, 391 p;*
        - *Seim, G.W., 1993, Mineral Deposits of the Central Portion of the Uchi Subprovince, Vol. 1, Meen Lake to Kasagiminnis Lake Portion, Ont. Geol. Surv. OFR 5869, 390 p.*

Relevant ASX Announcements released by Ardiden:

- ***20 November 2020- Gold Exploration Update at Pickle Lake: South Limb and Kasagiminnis***
- ***6 November 2020- Initial Kasagiminnis Assays show Strong Gold Mineralisation***
- ***13 October 2020- Tier 1 Scale Gold Targets at New Patricia***
- ***6 October 2020- South Limb Gold Prospect Ready to Drill***
- ***16 September – Company presentation – RIU Conference, Perth, Western Australia***
- ***8 September – Airborne Geophysics Survey Underway at the New Patricia Gold Prospect***
- ***3 September 2020 - Visible Gold in First Kasagiminnis Drillhole***
- ***1 September 2020 - Drilling Underway at Kasagiminnis***
- ***16 June 2020 - Ardiden Lines-Up Extensive Pipeline of Gold Prospects at Pickle Lake***
- ***27 May 2020 - Drilling and Exploration Target at Pickle Lake Gold Project***
- ***31 August 2018: High-Grade Gold Results Underpin Potential at Pickle Lake***
- ***31 July 2018: Ardiden Exercises Option to Acquire Highly Prospective Pickle Lake Gold Project***

More information is available from the Company's website: www.ardiden.com.au

APPENDIX

DRILLHOLE COLLAR TABLE

	Drill Hole	Easting	Northing	RL	Azimuth NAD83	Depth (m)	Dip	Deposit	Owner	Comments
1	KAS-2001	682475.2	5683266.3	379.5	180	194m	-70	Kasagiminnis Deposit	100% Ardiden	Reported 6 Nov 2020
2	KAS-2002	682475.2	5683266.3	379.5	185	254m	-78	Kasagiminnis Deposit	100% Ardiden	Reported 6 Nov 2020
3	KAS-2003	682579.4	5683291	380	177	212m	-60	Kasagiminnis Deposit	100% Ardiden	Reported 6 Nov 2020
4	KAS-2004	682579.4	5683291	380	180	272m	-70	Kasagiminnis Deposit	100% Ardiden	Reported 6 Nov 2020
5	KAS-2005	682162.5	5683306.5	380	179	251m	-61	Kasagiminnis Deposit	100% Ardiden	Reported Here
6	KAS-2006	682162.5	5683306.5	380	179	200m	-46	Kasagiminnis Deposit	100% Ardiden	Reported Here
7	KAS-2007	682162.5	5683306.5	380	182	311m	-73	Kasagiminnis Deposit	100% Ardiden	Reported Here
8	KAS-2008	682086.5	5683309.1	381.85	182	311m	-73	Kasagiminnis Deposit	100% Ardiden	Reported Here
9	KAS-2009	682086.5	5683309.1	381.85	179	251m	-61	Kasagiminnis Deposit	100% Ardiden	Reported Here
10	KAS-2010	682086.5	5683309.1	381.85	182	200m	-45	Kasagiminnis Deposit	100% Ardiden	Reported Here
11	KAS-2011	682475.2	5683266.3	379.5	189	20m	-85	Kasagiminnis Deposit	100% Ardiden	Abandoned
12	KAS-2012	682475.2	5683266.3	379.5	206	380m	-87	Kasagiminnis Deposit	100% Ardiden	Assays Pending
12	KAS-2013	682475.2	5683266.3	379.5	180	44m	-90	Kasagiminnis Deposit	100% Ardiden	Abandoned
14	KAS-2014	682711	5683257	377	180	140m	-45	Kasagiminnis Deposit	100% Ardiden	Assays Pending
15	KAS-2015	682711	5683257	377	179	77m	-65	Kasagiminnis Deposit	100% Ardiden	Abandoned
16	KAS-1801	682452	5683215	377.6	180	92.5m	-66	Kasagiminnis Deposit	100% Ardiden	Reported 31 July 2018
17	KAS-1804	682452	5683215	377.6	150.74	115m	-62.2	Kasagiminnis Deposit	100% Ardiden	Reported 31 July 2018
18	KAS-1806	682451.8	5683215	377.7	151.6	164.5m	-77.5	Kasagiminnis Deposit	100% Ardiden	Reported 31 Aug 2018
19	KAS-1808	682451.8	5683215	377.7	207.9	97m	-61.2	Kasagiminnis Deposit	100% Ardiden	Reported 31 Aug 2018
20	KAS-1810	682086.5	5683309.1	377.7	210.3	142m	-77.9	Kasagiminnis Deposit	100% Ardiden	Reported 31 Aug 2018

DRILLHOLE ASSAY RESULTS TABLE (GOLD)

**Refer to Ardiden ASX release dated July 31 2018 for KAS1801 and KAS1804*

**Refer to Ardiden ASX release dated August 31 2018 for KAS1806, KAS1808 and KAS1810*

**Refer to Ardiden release dated 27 May 2020 for assay results for KAS8706*

Drill Hole	From (m)	To (m)	Sample ID	Au g/t Grade	Deposit
KAS-2001	164	165	1095097	**1.38**	Kasagiminnis Deposit
KAS-2001	166	167	1095099	**7.57**	Kasagiminnis Deposit
KAS-2001	170	171	1095104	**2.26**	Kasagiminnis Deposit
KAS-2001	172	173	1095106	**1.96**	Kasagiminnis Deposit
KAS-2002	193	194	1095156	**4.18**	Kasagiminnis Deposit
KAS-2002	194	195	1095157	**6.25**	Kasagiminnis Deposit
KAS-2002	195	196	1095158	**12.8**	Kasagiminnis Deposit
KAS-2003	159.5	160.4	1095217	**1.05**	Kasagiminnis Deposit
KAS-2003	160.4	161.4	1095218	**3.8**	Kasagiminnis Deposit
KAS-2003	161.4	162.1	1095219	**8.43**	Kasagiminnis Deposit
KAS-2003	163	164	1095222	**4.15**	Kasagiminnis Deposit
KAS-2003	164	165	1095223	**6.15**	Kasagiminnis Deposit
KAS-2003	165	166	1095224	**6.56**	Kasagiminnis Deposit
KAS-2004	203	204	1095314	**1.56**	Kasagiminnis Deposit
KAS-2004	204	205	1095315	**2.27**	Kasagiminnis Deposit
KAS-2004	216	217	1095329	**1.63**	Kasagiminnis Deposit
KAS-2004	223	224	1095337	**1.41**	Kasagiminnis Deposit
KAS-2005	**210.7**	**212**	**1095396**	**3.72**	**Kasagiminnis Deposit**
KAS-2006	**56**	**57**	**1095429**	**1.27**	**Kasagiminnis Deposit**
KAS-2007	**151**	**152**	**1095567**	**1.35**	**Kasagiminnis Deposit**
KAS-2007	**152**	**153**	**1095568**	**2.42**	**Kasagiminnis Deposit**
KAS-2009	**62**	**63**	**1095854**	**1.68**	**Kasagiminnis Deposit**

**Drill assays not reported below 1.0 g/t Au*

JORC Code, 2012 Edition – Table 1

JORC Code Table 1 Criteria - The table below summaries the assessment and reporting criteria used for the Kasagiminnis Mineral Resource estimate and reflects the guidelines in Table 1 of *The Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves* (the JORC Code, 2012).

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*	***2020 Ardiden Ltd. Sampling and Assays*** • Samples from the Kasagiminnis property have been derived from diamond drill core. The core has been logged, cut, and sampled by qualified personnel to industry best practise and samples submitted to Actlabs in Ontario, a reputable and certified facility. • Prior to shipping, all samples were routinely subjected to wet/dry weight SG determination by Ardiden Ltd personnel and geological comments on each sample documented. The entire half-core sample was used in this process. • All samples received by Actlabs were crushed to 80% passing 2-10mm mesh sieve. This was then riffle split to a 250g sample which was pulverised to 90% passing 150 microns. • A 30g subsample was then subject to Fire Assay for Au, subjected to an Aqua Regia digestion and finished by AAS. • Another 0.5g subsample is subjected to an Aqua Regia digest and ICP for Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Te, Ti, Tl, U, V, W, Y, Zn, Zr. • These techniques are considered appropriate for the mineralisation expected at the Kasagiminnis Property. ***Other Sampling and Assays*** • All reference to historical drilling results at the Kasagiminnis Lake gold deposits were sourced from publicly available documents. • Sources included: ○ Technical Report on Three Gold Exploration Properties Pickle Lake Area, Ontario, Canada, for Manicouagan Minerals Inc., G.A. Harron, P.Eng., G.A. Harron & Associates Inc., October 13, 2009; ○ Manicouagan Minerals Inc. Work Report of 2009 Diamond Drilling Program Dorothy-Dobie Lake Project Pickle Lake Area, Ontario, Bruce W. Mackie P.Geo., Bruce Mackie Geological Consulting Services, 30 December 2009; ○ Manicouagan Minerals Inc. Work Report of 2011 Phase One and Two Diamond Drilling Programs Kasagiminnis Lake Project Pickle Lake Area, Ontario, Bruce W. Mackie P.Geo., Bruce Mackie Geological Consulting Services, October 2011; ○ Blackburn, C.E., Hailstone, M.R., Parker, J. and Story, C.C., 1989, Kenora Resident Geologist's Report – 1988; p. 3-46 in Report of Activities 1988, Resident

Criteria	JORC Code explanation	Commentary
		Geologists edited by K.G. Fenwick, P.E. Giblin and A.E. Pitts, Ont. Geol. Surtv, MP 142, 391 p; ○ Seim, G.W., 1993, Mineral Deposits of the Central Portion of the Uchi Subprovince, Vol. 1, Meen Lake to Kasagiminnis Lake Portion, Ont. Geol. Surv. OFR 5869, 390p; ○ the Trillium North Minerals Ltd. *Summer 2007 Dorothy Dobie Property Diamond Drill Program Dobie Lake, Meen Lake and Kawashe Lake Areas Patricia Mining District Ontario*, Caitlin Jeffs, P.Geo. Fladgate Exploration Consulting Corporation, 12 Jun 2008; and ○ White Metal Resources Corporate Presentation, January 2017.
Drilling techniques	• *Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	***2020 Ardiden Ltd.*** • All samples and geological information have been derived from diamond core using standard equipment of NQ2 size (51mm diameter). • The holes were completed by Major Drilling of Ontario in 2020. • The drill core was oriented by Major drilling and verified by Ardiden Limited.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	***2020 Ardiden Ltd.*** • All drill core was measured and compared to actual drilled depths on a run-by-run basis by the company geologist and driller to determine core recovery and Rockmass Quality Data (RQD). Recoveries averaged higher than 99.9% with the only loss of material coming from the overburden. This horizon is not considered prospective for Ardiden Ltd.'s purposes. • Core recovery through the mineralised zones is 100%. • No sample bias was observed.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	***2020 Ardiden Ltd.*** • All diamond core has been marked up, inspected, logged and photographed by suitably trained and qualified personnel. • Logging detail includes Depth, Hole Orientation, Lithology, Alteration, Veining, Mineralogy, Mineralised Zonation, RQD, Magnetic Susceptibility and Structure. These methods involve a combination of both qualitative and quantitative determinations.
Sub-sampling techniques and sample preparation	• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*	***2020 Ardiden Ltd.*** • All samples have been derived from NQ2 diamond core and have been cut in half or quartered using a standard brick saw. Foliation is aligned perpendicular to the cut. This technique is considered appropriate for the mineralisation historically observed at the Kasagiminnis Lake Property. • Field duplicates (half-core cut in half again) have been submitted to the lab at a rate of 1 in 50 to evaluate the sampling technique as per standard industry practise. • Ardiden Ltd. has retained and stored all remaining half-core samples for future reference/use.

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	• *Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.*	***2020 Ardiden Ltd.*** • Actlabs is a certified lab (17025 accredited) and subject to its own internal QAQC processes. • Actlabs digest processes are considered total and appropriate for this style of mineralisation. • Ardiden Ltd. determined SG values have been derived from whole-sample wet/dry weights using a suitable set of electronic scales as per industry standard practise. • Field duplicates have been derived at a ratio of 1 in 40 samples. • Certified Gold standards and blanks have been inserted into the sample stream at a ratio of 1 in 20. • Actlabs is subject to its own internal QAQC determinations. A duplicate sample is generated for *crushed* samples at a rate of 1 in 50. Another duplicate for *pulverised* samples is generated at a rate of 1 in 50. • Laboratory instruments are calibrated every 42 samples. • Laboratory blanks (x2), certified reference materials (x2) and sample duplicates (x3) are analysed within every 42 samples in the batch tray. • Ardiden has viewed the QAQC results and they are considered acceptable.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	***2020 Ardiden Ltd.*** • Sample results have been merged into company database by Ardiden LTD. personnel. • Twinned holes have not been employed as a check to the current program at this stage. • All data is electronically logged in Access and stored on the company's database. A master copy of this data exists on the Ardiden Ltd. server in Australia. • The data is imported into Micromine software for visual checks and database validation by a competent person. • Grades for significant intersections are calculated on length and SG weighted averages.
Location of data points	• *Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	***2020 Ardiden Ltd.*** • The 2020 program of drilling was subject to suitable location and orientation techniques given the technically difficult nature of the location and magnetic lithologies. • Initially, hole locations have been placed in NAD83-15 using a hand-held GPS and notes have been recorded on how these locations relate to existing holes and clearing. • The drill rig was aligned to planned azimuth using a reflex automatic positioning system (APS), a satellite seeking instrument prior to collaring. • Downhole surveys were conducted using a true north seeking Reflex Giro Sprint-IQ multishot tool. This instrument records dip, true north azimuth, and temperatures. This tool is not affected by magnetism. • Surveys were all calculated to UTM (Grid North) based on grid convergence angles at Kasagiminnis.

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Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• The 6 drillholes with results reported in this report have been drilled from two drill pad locations spaced 100m apart. Other 2020 drilling with results still pending have now included five drill pads in total for 15 drillholes. Holes have originated from the same drill pad and tested the down-dip continuity at different dip angles as illustrated in this report • The data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource estimation and classification applied. • No sample composites have been created.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	***2020 Ardiden Ltd.*** • Due to the difficulty in mobilising and moving drill rigs at Kasagiminnis, a series of holes were drilled from one location. Both dip and azimuth changes were performed. Thus, it will be rare that any drillhole will intersect the mineralisation in a purely perpendicular manner. • There is no expected assay bias resulting from the orientation of drilling due to the nature of mineralisation observed at the Kasagiminnis Lake Property.
Sample security	• *The measures taken to ensure sample security.*	***2020 Ardiden Ltd.*** • Samples are kept on location until a drillhole is fully sampled. The samples are then taken directly to the lab by Ardiden Ltd. personnel without the use of any intermediaries.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• A full sample review was conducted prior to writing sampling, logging and QAQC procedures for all Ardiden Ltd. personnel. • These procedures were then used for the current program and supervised internally by Ardiden Ltd. personnel in charge of the due-diligence program.

Section 2 Reporting of Exploration Results

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Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The Kasagiminnis Lake Gold deposit consists of three granted Mining claims 4207793, 4207794 4207795, • Ardiden Limited owns the tenements 100%. • There are no known issues affecting the security of title or impediments to operating in the area.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• The Pickle Lake Project is located within the Pickle Lake area, Kenora (Patricia) Mining Division, Ontario. Significant gold deposits including the historical Pickle Crow Gold Mine. • Over 25,000 m of historical diamond drilling were completed across the Pickle Lake Gold Properties by previous owners, confirming the potential for multiple extensive gold mineralised zones at both Dorothy-Dobie Lake and

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		Kasagiminnis Lake deposit, with gold mineralisation remaining open along strike and at depth. • A list of technical reports prepared by previous exploration companies is included in Section 1 of this table.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Pickle Lake Project is located within the Meen-Dempster greenstone belt and the adjoining Pickle Lake greenstone belt, which contain the known gold deposit (Kasagiminnis) and prospects (South Limb, West Pickle and Dorothy-Dobbie). Both greenstone belts are located on the southern margin of the North Caribou terrane within the Uchi domain. • Rocks within the Uchi domain greenstone belts display petrochemical characteristics of arc and back-arc volcanism. • The Kasagiminnis gold deposit comprises lode style mineralisation within a steep north-dipping shear zone. Overburden comprises glacial till and there is a lake in the vicinity of the mineralisation.
Drillhole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes:* • easting and northing of the drillhole collar • elevation or RL (elevation above sea level in metres) of the drillhole collar • dip and azimuth of the hole • down hole length and interception depth • hole length.	• Drillhole location and other relevant details are tabulated in the Assay Drillhole Table.
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.*	• A minimum intercept length of 0.2 m applies to the historical data in the tabulated results presented in the main body of this release. • No cut-off grades where reported within this release from historical data. • No metal equivalent reporting has been applied.
Relationship between mineralisation widths and intercept lengths	• *If the geometry of the mineralisation with respect to the drillhole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect.*	• Drillholes have been angled at an appropriate direction and angle relevant to the anticipated orientation of the mineralisation and/or geology.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drillhole collar locations and appropriate sectional views.*	• Relevant diagrams have been included within the announcement. • Summaries of significant gold intercepts are also included in the body text of this report.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to*	• All drill collar locations are shown within the announcement and all significant results are provided in this report. • The report is considered balanced and provided in context.

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	avoid misleading reporting of Exploration Results.	
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• Drilling has been conducted from the same pad due to logistical challenges, pads have been widely spaced. Further details will be reported in future releases once data is available.
Further work	• *The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).*	• Infill and extensional drilling along strike and down dip, aimed at growing the resource. is planned.