

We are committed to providing [accessible customer service](#).

If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).

Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).



AGNICO EAGLE

Assessment Report on 2022 Field Work
At Denton “Melkior-Kirkland Lake Gold” JV Project
Ontario, Canada
Porcupine Mining Division

Agnico Eagle Mines Ltd.
1350 Government Rd W,
Kirkland Lake, ON P2N 3J1

December 7, 2022
Kevin Pieterse, P.Geol.
Len MacKenzie, M.Sc.

Table of Contents

Summary	1
Location and Access	1
Claim Status	2
Regional Geology	3
Property Geology	4
Exploration History	5
Current Program	5
Drone Survey.....	5
Prospecting	6
Conclusions and Recommendations.....	8
References	9

List of Figures

Figure 1: Property Location.....	1
Figure 2: Claims Map.....	2
Figure 3: Regional Geology	3
Figure 4: Property Geology	4
Figure 5: High-Resolution Drone Orthomosaic.....	6
Figure 6: Sample Location Map.....	7
Figure 7: Sample KL034120 of Chlorite Schist with 0.587 g/t Au and 1.63% As.....	8

List of Tables

Table 1: Claim Status.....	2
Table 2: Description of Grab Samples with Gold Assay.	7

Appendices

- Appendix 1: Work Log
- Appendix 2: Assay Certificates
- Appendix 3: List of Expenditures
- Appendix 4: High-Resolution Drone Orthomosaic
- Appendix 5: Drone DJI Air2S Specifications

Summary

From June to August 2022, Agnico Eagle Mines conducted exploration activity on the Denton property which is an option / JV agreement with Melkior Resource Inc.(Melkior). Melkior owns a 100% interest in the Denton Property in the Timmins area of northeaster Ontario. The Property is located within the boundaries of Timmins, Ontario and is approximately 25 km southwest of the City of Timmins. The Denton property is in the Porcupine Mining Division and centered within the Denton Townships. The exploration activities conducted here were a high-resolution drone survey of the property, along with prospecting.

Location and Access

The Denton property is located approximately twenty-five kilometers west of Timmins, Ontario within the Denton township. This property is accessible by all-weather roads. Highway 101 West of Timmins provides access to the property via trails and logging roads running north-south from highway 101.

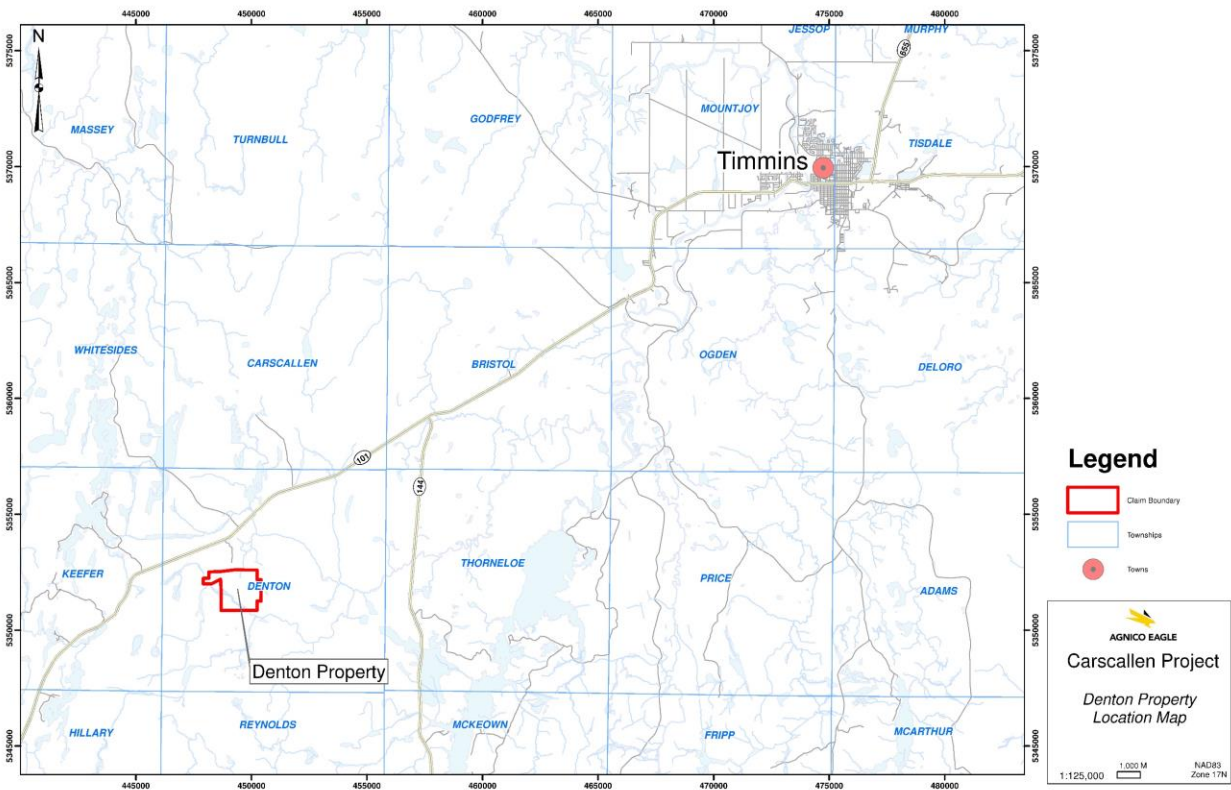


Figure 1: Property Location

Claim Status

The following outlines the claims that comprise the Denton Property as shown on Figure 2 and Table 1.

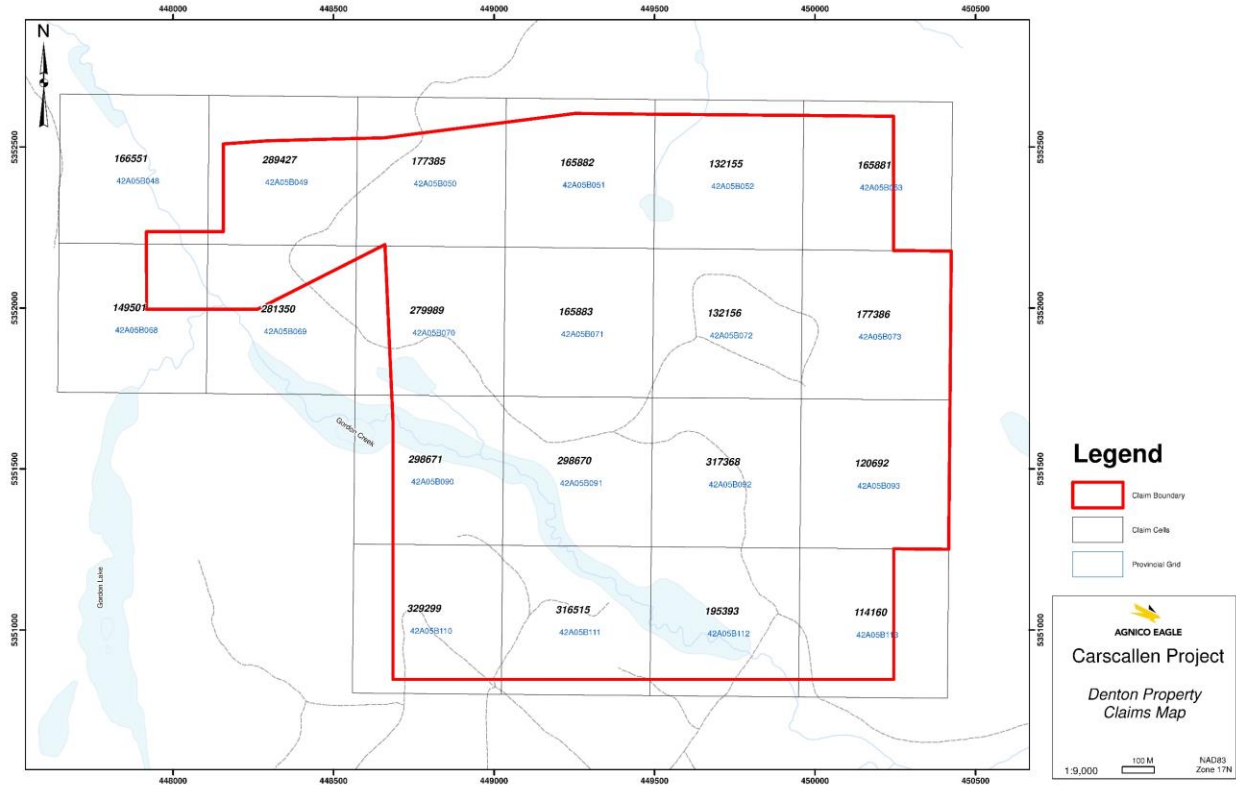


Figure 2: Claims Map

TENURE_NUMBER	TITLE_TYPE	TENURE_STATUS	CLAIM_DUE_DATE	HOLDER
132156	Single Cell Mining Claim	Active	2022-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
165883	Single Cell Mining Claim	Active	2022-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
298670	Single Cell Mining Claim	Active	2022-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
317368	Single Cell Mining Claim	Active	2022-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
114160	Single Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
120692	Single Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
132155	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
149501	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
165881	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
165882	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
166551	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
177385	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
177386	Single Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
195393	Single Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
281350	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
279989	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
289427	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
298671	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
316515	Single Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.
329299	Boundary Cell Mining Claim	Active	2024-12-19	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.

Table 1: Claim Status

Regional Geology

The oldest formation reported to occur in the Denton township property area, consists of the Deloro assemblage, which is overlain by the Kidd-Munro assemblage, which is in turn overlain by the Tisdale assemblage. These volcano-sedimentary accumulations were then intruded by younger intrusives such as the Carlton Lake felsic pluton and Turnbull tonalite in the north half of the properties area: and a younger intrusion of granodiorite to tonalite composition known as the Kenogamissi Batholith, in the south half of the properties area. The Deloro assemblage consists of mafic-to felsic, calc-alkaline, metavolcanic rocks and associated iron formations. It is unconformably overlain by the Kidd-Munro assemblage which consists of a suite of tholeiitic to komatiitic metavolcanic rocks locally interlayered with rhyolite and a suite of calc-alkalic felsic to intermediate metavolcanic rocks. The Tisdale assemblage is subdivided into two parts. A basal part consisting of tholeiitic mafic to komatiitic metavolcanic rocks locally associated high silica rhyolite; and an upper part consisting of felsic to intermediate calc-alkalic pyroclastic metavolcanic rocks and locally thick accumulations of iron formation. Finally, the entire area has been intruded by mafic intrusive rocks, commonly of diabase dykes of Paleoproterozoic age (Matachewan dyke swarm).

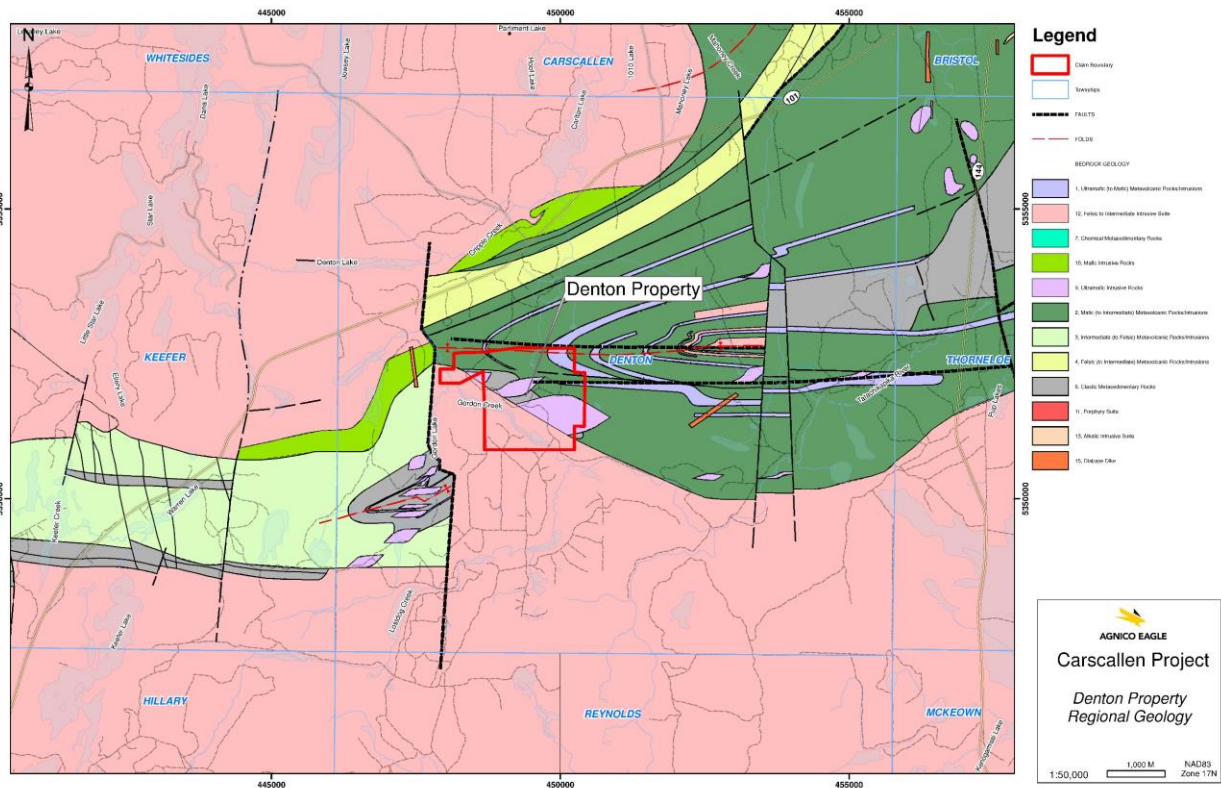


Figure 3: Regional Geology

Property Geology

The Northern portion of the Denton property is for the most part underlain by the Carlton Lake felsic stock. This younger intrusion has intruded into the older intrusive complex composed of gabbroic to peridotitic intrusives (Kamiskotia gabbroic Complex) and volcano-sedimentary rocks of the Deloro assemblage. On the Alto property, Kamiskotia complex and Deloro assemblage have been observed along the south-east boundary of the felsic stock. In the south-west of the property the rocks mainly consist of felsic flows and of a mixed sequence of felsic to intermediate (andesitic to dacitic) volcanics. In the north-western of the property, these same volcanics are accompanied by dioritic, gabbroic and peridotitic intrusives. The Southern portion of the Denton property is partly underlain by the Tisdale geological assemblage, which was intruded to the south-west, by the younger Kenogamissi felsic intrusive batholith. An east-west lying structure separates the North and South portions of the property. The dominant tectonic fabric along the north limb lies roughly at azimuth 60 degrees with steep dips mostly to the northwest; whereas the dominant tectonic fabric reported along the south limb lies at an azimuth of about 90 degrees with steep dips to the north. A well-developed tectonic fabric consisting of a well-developed schistosity in the volcanics which lie along the south-eastern boundary of the northern portion of the Denton property. Locally, stronger deformation is indicated by an increase in schistosity, locally accompanied silicification, quartz veining and abundant sulphide mineralization, consisting of arsenopyrite, pyrite and galena and/or molybdenite.

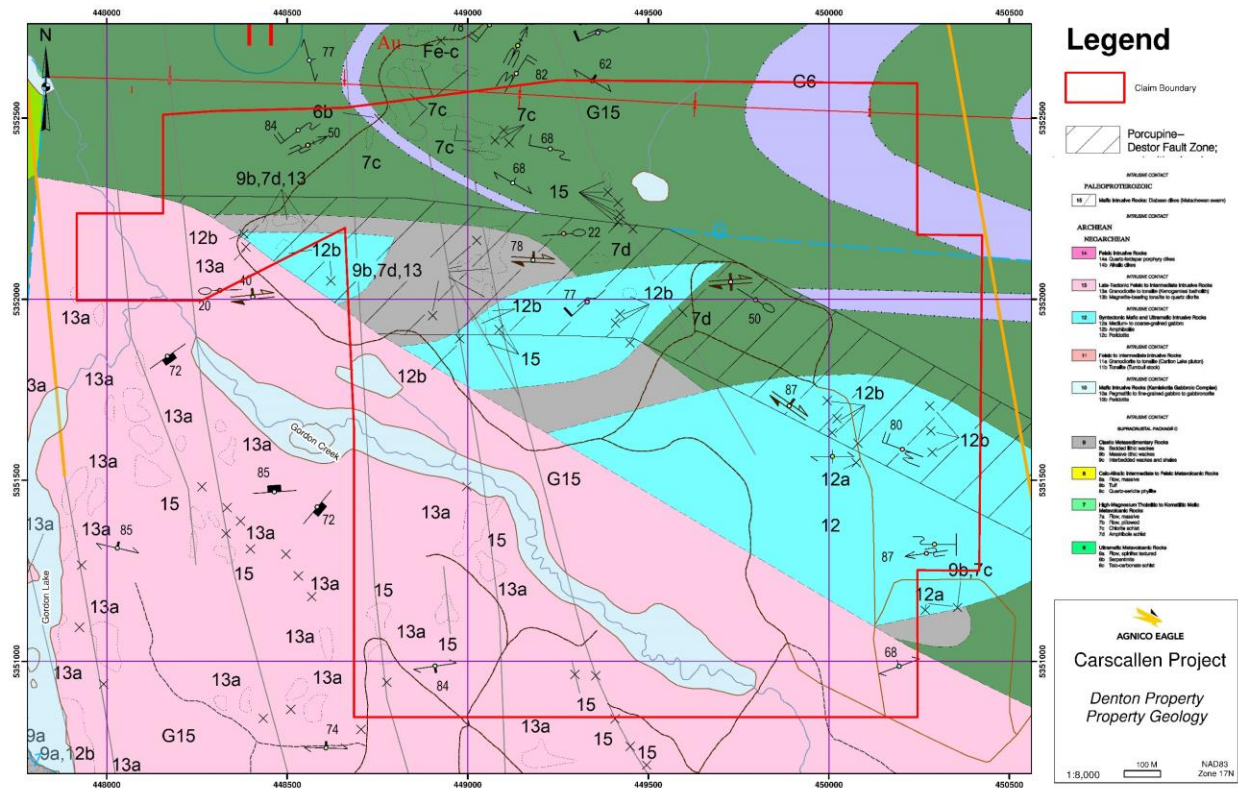


Figure 4: Property Geology

Exploration History

Exploration history for the Denton property is limited, exploration activities reported and filed with the Ontario Geological Survey is extremely limited for these claims. There are no known mineral occurrences within the Denton property. From June-August 2007 a Prospecting and geological mapping program was conducted by Alto Ventures Ltd. 34 samples were sent for Au assay along with ICP analysis. One sample returned 2 g/t Au, along with another sampling that returned 0.57% Cu. A small soil program was conducted on the northwest corner of the claim blocks. The soil program was conducted by Mr. Pierre C. Robert in November December 2009. The soil grid was established with three lines running east-west and spaced 100m apart from line 1-2, and 250m spaced from line 2-3. Sample intervals along the lines were spaced at 25m apart. A total of 41 samples were taken during the program. In 2019 a UAV-MAG Survey was conducted over the Denton property.

Current Program

Drone Survey

A high-resolution drone survey was flown over the entire Denton property between May 25 and June 3rd, 2022. The drone used for the survey was a DJI Air2S, a compact yet high quality commercial drone. Flights were planned with specialized software. The drone flew with a line spacing of 44m at an altitude of 100m above the surface. Over 9,000 individual images were collected over a 3-day period.

The images were visually inspected before being processed using PIX4D Mapper software. The resulting orthomosaic has a ground resolution of 3cm and was used to identify outcrops and potential hazards in the field. See Figure 5 and Appendix 4.

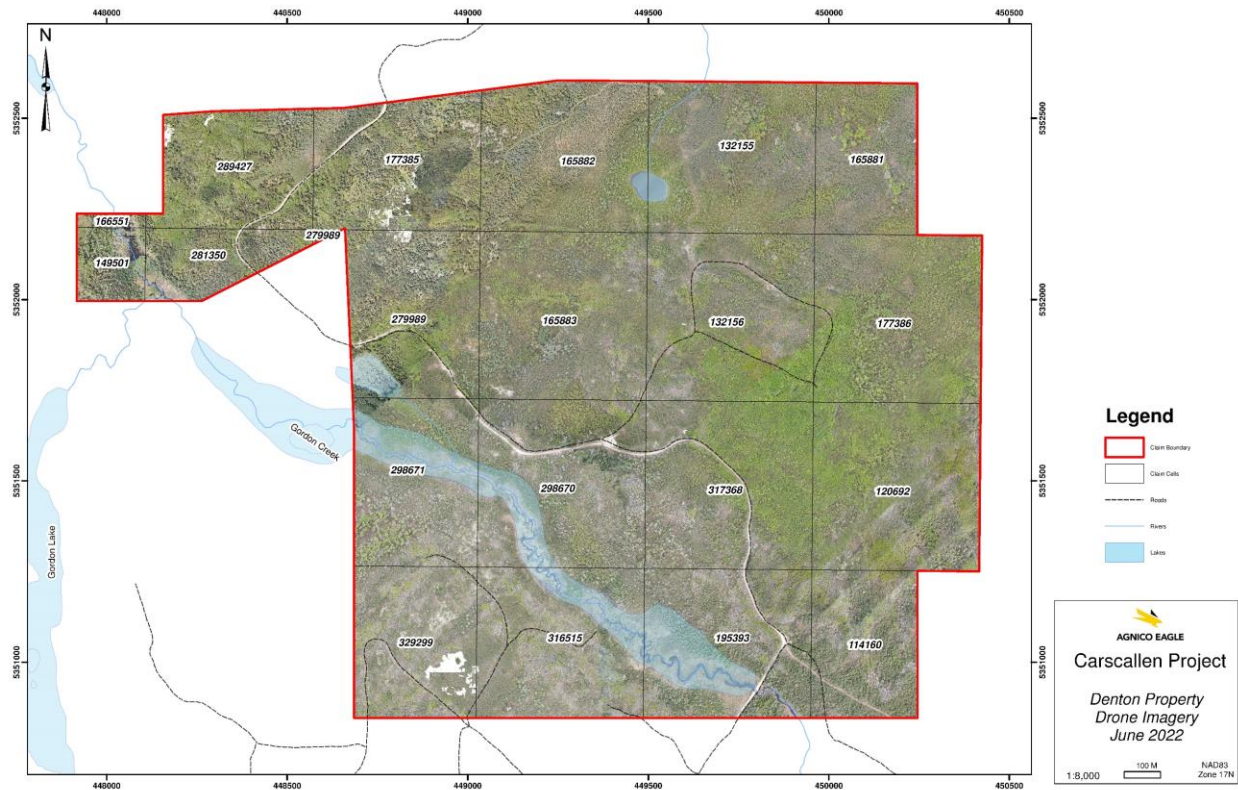


Figure 5: High-Resolution Drone Orthomosaic

Prospecting

Several days were spent prospecting relatively small portions of the property. Any mineralized and/or altered outcrops were sampled and analysed for gold in addition to a 38-element suite for most samples. The results while disappointing, indicated areas of high strain in altered mafic volcanic rocks. One sample of chlorite schist (KL034120) returned an assay of 0.587 g/t Au and 1.63% As.

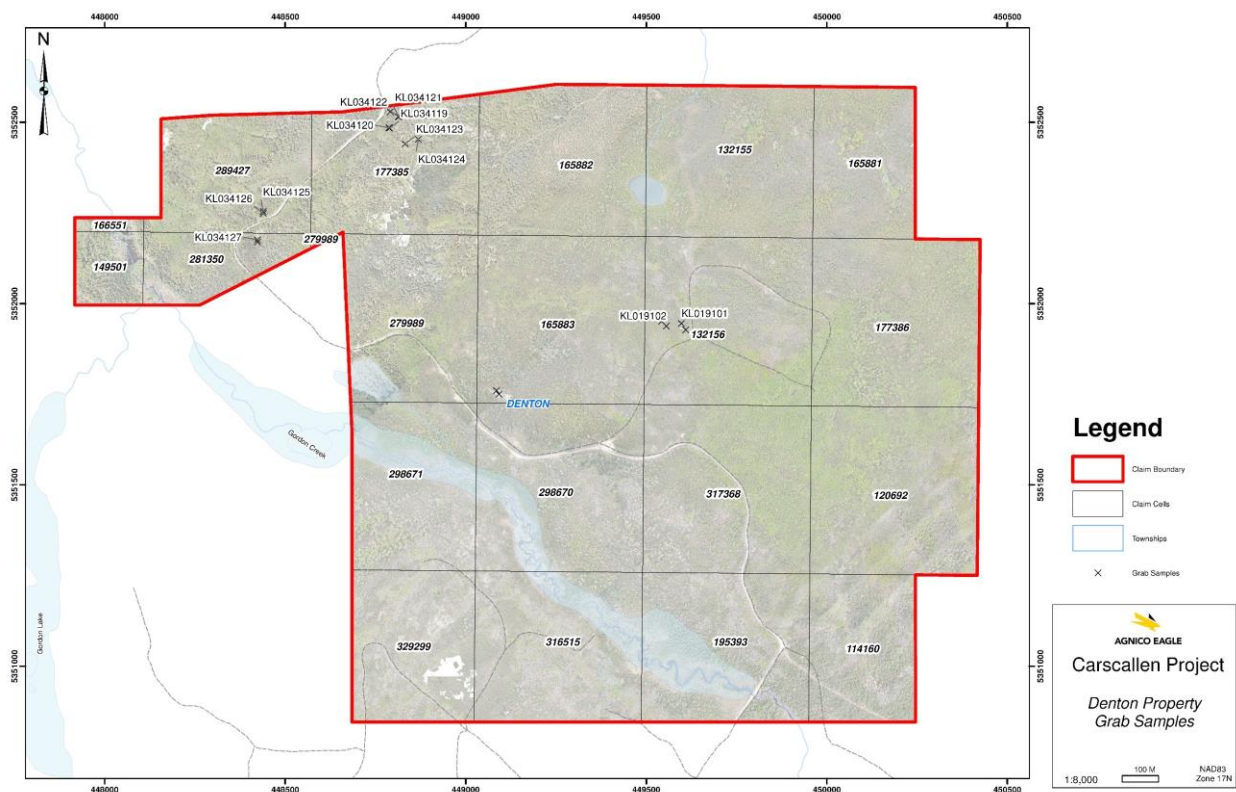


Figure 6: Sample Location Map

Tag No	X	Y	Bedrock/Loose	Description	Au_gpt
KL034119	448789	5352483	Bedrock	blocky, white 8cm Qv, ankerite, no visible sulphides	0.006
KL034120	448788	5352484	Bedrock	highly foliated seds/ankerite altered chlorite schist? Trace Py	0.587
KL034121	448815	5352514	Bedrock	10cm glassy white Qv in foliated ultramafics, Trace Py and mica	0.008
KL034122	448813	5352514	Bedrock	20cm Qv in foliated ultramafics, trace Py	0.006
KL034123	448832	5352439	Bedrock	15cm white Qv in carbonate altered chlorite schist	0.005
KL034124	448869	5352453	Bedrock	chlorite schist? Trace Py	0.009
KL034125	448439	5352253	Bedrock	10cm Qv in chlorite schist, malachite, trace blebby Py and CPY?	0.005
KL034126	448440	5352248	Bedrock	5cm boudin QV in contact ultramafic and felsic unit ; (porphyry texture) blebby Py in ultramafic, diss in felsic + vein	0.012
KL034127	448423	5352175	Bedrock	2cm Qv in carbonate altered Mafic Volcanic, trace Py in host	0.006
KL019101	449597	5351945	Bedrock	Narrow QV in altered (chloritic) mafic volcanics, trace Py	< 0.005
KL019102	449556	5351938	Bedrock	Sheared mafic volcanics with trace Py	< 0.005

Table 2: Description of Grab Samples with Gold Assay.



Figure 7: Sample KL034120 of Chlorite Schist with 0.587 g/t Au and 1.63% As.

Conclusions and Recommendations

The results of the prospecting were disappointing however areas of high strain zones within altered mafic volcanic rocks should be investigated further. The sample of chlorite schist that returned an assay of 0.587 g/t Au and 1.63% As should be resampled and the immediate area should be mapped and prospected.

The high-resolution drone orthomosaic was useful in identifying new outcrops in favorable areas and these areas should be mapped and prospected as well.

References

Ayer, J.A. and Trowell, N.F.; 1998; Geological Compilation of the Timmins Area, Abitibi Greenstone Belt; Ontario Geological Survey Preliminary Map P.3379, scale 1:100,000.

Ayer, J.A., Trowell, N.F., Madon, Z., Kamo, S., Kwok, Y.Y. and Amelin, Y. 1999. Compilation of the Abitibi Greenstone Belt in the Timmins-Kirkland Lake Area: Revisions to Stratigraphy and New Geochronological Results. Ontario Geological Survey Open File Report 6000, p.4.1-4.14.

Dueck, P., 2019: Airborne magnetic survey (UAV-MAGTM) using an Unmanned Aerial Vehicle (UAV) at the Denton property by Pioneer Aerial Surveys Ltd. for Melkior Resources Inc., 14p.

Hall, L.A.F. and Smith, M.D. 2002. Precambrian Geology of Denton and Carscallen Townships, Timmins West Area. Ontario Geological Survey Open File Report 6093, 75 p.

Johnston, M., 2007: Report of an Induced Polarization Survey and Line Cutting Program on the Denton Property, Denton Township for Alto Ventures Ltd., 7p.

Mlot, S.G., 2010: Report on a Geochemical Soil Sampling program at the Denton 2 Project, Denton Township for Pierre C. Robert., 26p.

Date and Signature Page

This report, entitled “Assessment Report on 2022 Field Work at Denton “Melkior-Kirkland Lake Gold” JV Project” was prepared, reviewed and signed by the following authors:

Dated at Timmins, Ontario
December 7, 2022

K. Pieterse
Kevin Pieterse, P.Geol.
Exploration Geologist

DocuSigned by:
Len MacKenzie
5ACEC31198EA424...
Len MacKenzie, M.Sc.
Senior Exploration Geologist

DocuSigned by:
Kara Byrnes
B39FB95CEB8946C...
Kara Byrnes, P.Geol.
Regional Exploration
Superintendent

Appendix 1: Work Log

Date	Workers	Person Days	Description
2022-05-24	Senior Geologist	1	Planning drone flights; field maps for prospecting
2022-05-25	Senior Geologist; Geologist, Senior Field Technician, Field Technician	4	Start drone survey and prospecting
2022-05-26	Senior Geologist	1	Processing drone imagery
2022-06-02	Senior Geologist; Geologist, Senior Field Technician, Field Technician	4	Drone survey and prospecting
2022-06-03	Senior Geologist; Senior Field Technician	2	Complete drone survey and prospecting
2022-06-04	Senior Geologist	1	Processing drone imagery
2022-06-05	Senior Geologist	1	Processing drone imagery
2022-06-06	Senior Geologist	1	Processing drone imagery
2022-08-03	Senior Geologist	1	Prepare field maps for prospecting crew
2022-08-04	13694356 Canada Inc.	2	Prospecting 2-man crew
2022-11-30	Geologist	1	Report writing; generating maps
2022-12-01	Senior Geologist; Geologist	2	Report writing; generating maps
2022-12-02	Senior Geologist; Geologist	2	Report writing; generating maps
		23	

Appendix 2 :
Assay Certificates



Report No.: A22-12348-Au
Report Date: 06-Oct-22
Date Submitted: 29-Aug-22
Your Reference: Denton

Kirkland Lake Gold Ltd.
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

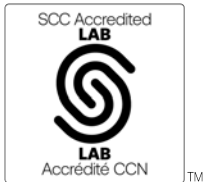
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-12348-Au

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A22-12348

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL034119	1.32	0.006	-	-
ASSAY	KL034120	1.06	0.587	-	-
ASSAY	KL034121	1.54	0.008	-	-
ASSAY	KL034122	1.85	0.006	-	-
ASSAY	KL034123	2.63	0.005	-	-
ASSAY	KL034124	1.52	0.009	-	-
ASSAY	KL034125	1.55	0.005	-	-
ASSAY	KL034126	0.789	0.012	-	-
ASSAY	KL034127	1.83	0.006	-	-
ASSAY	KL018809	0.0670	0.785	-	-
PULPDUP	KL034127	-	0.005	-	-



Report No.: A22-12348-1E3+8Perox
Report Date: 06-Oct-22
Date Submitted: 29-Aug-22
Your Reference: Denton

Kirkland Lake Gold Ltd.
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

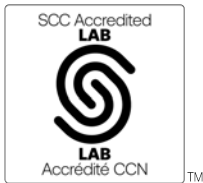
Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 8-Peroxide ICP, QOP Sodium Peroxide (Sodium Peroxide Fusion ICP), 2022-10-03 15:33:52

REPORT A22-12348-1E3+8Perox

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 266

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

Report No.: A22-12348-1E3+8Perox
Report Date: 06-Oct-22
Date Submitted: 29-Aug-22
Your Reference: Denton

Kirkland Lake Gold Ltd.
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Timmins	QOP AquaGeo (Aqua Regia ICPOES)	2022-09-21 18:04:04

REPORT **A22-12348-1E3+8Perox**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

	SAMPLE	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
	DESCRIPTION	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al
SAMPLE TYPE		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
ASSAY	KL034119	< 0.2	< 0.5	2	163	4	33	< 2	8	0.30
ASSAY	KL034120	< 0.2	0.8	135	527	< 1	37	3	25	1.31
ASSAY	KL034121	< 0.2	< 0.5	33	788	2	36	< 2	18	1.00
ASSAY	KL034122	< 0.2	< 0.5	5	400	3	11	< 2	7	0.25
ASSAY	KL034123	< 0.2	< 0.5	5	549	1	55	< 2	24	1.93
ASSAY	KL034124	< 0.2	< 0.5	119	960	< 1	150	< 2	114	3.83
ASSAY	KL034125	< 0.2	< 0.5	8	298	2	5	< 2	3	0.12
ASSAY	KL034126	0.2	< 0.5	232	367	2	20	< 2	31	0.99
ASSAY	KL034127	< 0.2	< 0.5	2	153	3	32	< 2	9	0.30
ASSAY	KL018809	< 0.2	< 0.5	166	726	< 1	46	13	97	3.50

	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
SAMPLE TYPE	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
ASSAY	18	< 10	< 10	< 0.5	< 2	0.06	1	39	0.63	< 10
ASSAY	> 10000	< 10	58	< 0.5	4	0.15	19	20	11.1	< 10
ASSAY	21	< 10	< 10	< 0.5	3	3.42	13	36	2.07	< 10
ASSAY	24	< 10	< 10	< 0.5	< 2	1.75	4	39	0.66	< 10
ASSAY	4	< 10	< 10	< 0.5	4	3.32	14	39	2.34	< 10
ASSAY	39	14	14	< 0.5	3	3.78	54	84	5.07	< 10
ASSAY	< 2	< 10	< 10	< 0.5	< 2	1.76	1	26	0.28	< 10
ASSAY	3	< 10	12	< 0.5	< 2	1.20	28	41	2.56	< 10
ASSAY	15	< 10	< 10	< 0.5	< 2	0.06	1	33	0.67	< 10
ASSAY	36	66	23	< 0.5	2	2.96	29	24	6.10	10

	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr
SAMPLE TYPE	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm
ASSAY	< 1	< 0.01	< 10	0.35	0.023	< 0.001	< 0.01	< 2	2	4
ASSAY	< 1	0.15	< 10	1.14	0.084	0.080	0.88	15	12	6
ASSAY	< 1	0.02	< 10	0.47	0.015	0.009	0.02	3	3	9
ASSAY	< 1	0.02	< 10	0.09	0.016	0.011	< 0.01	< 2	1	7
ASSAY	< 1	< 0.01	< 10	1.50	0.013	0.010	< 0.01	< 2	3	16
ASSAY	< 1	0.01	< 10	1.45	0.039	0.020	0.13	4	11	87
ASSAY	< 1	< 0.01	< 10	0.05	0.013	< 0.001	< 0.01	< 2	< 1	5
ASSAY	< 1	0.02	< 10	0.79	0.052	0.020	0.42	< 2	5	23
ASSAY	< 1	< 0.01	< 10	0.36	0.022	< 0.001	< 0.01	< 2	2	4
ASSAY	< 1	0.08	< 10	1.71	0.180	0.038	0.27	3	6	31

	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FUS-Na2O2
	Ti	Th	Te	Tl	U	V	W	Y	Zr	As
SAMPLE TYPE	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
ASSAY	< 0.01	< 20	< 1	< 2	< 10	15	< 10	< 1	< 1	
ASSAY	0.03	< 20	2	< 2	< 10	100	< 10	6	9	1.63
ASSAY	< 0.01	< 20	< 1	< 2	< 10	21	< 10	3	< 1	
ASSAY	< 0.01	< 20	2	< 2	< 10	6	< 10	1	< 1	
ASSAY	0.11	< 20	< 1	< 2	< 10	44	< 10	2	1	
ASSAY	0.30	< 20	2	< 2	< 10	110	< 10	5	3	
ASSAY	< 0.01	< 20	< 1	< 2	< 10	3	< 10	< 1	< 1	
ASSAY	0.08	< 20	2	< 2	< 10	46	< 10	4	6	
ASSAY	< 0.01	< 20	< 1	< 2	< 10	16	< 10	< 1	< 1	
ASSAY	0.37	< 20	3	3	< 10	156	11	13	14	



Report No.: A22-10176
Report Date: 31-Aug-22
Date Submitted: 20-Jul-22
Your Reference: Carscallen

Kirkland Lake Gold Ltd.
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

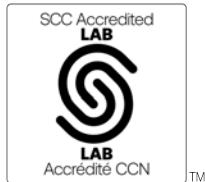
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-10176

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

Appendix 3 :
List of Expenditures

Appendix 4:
High-Resolution Drone Orthomosaic



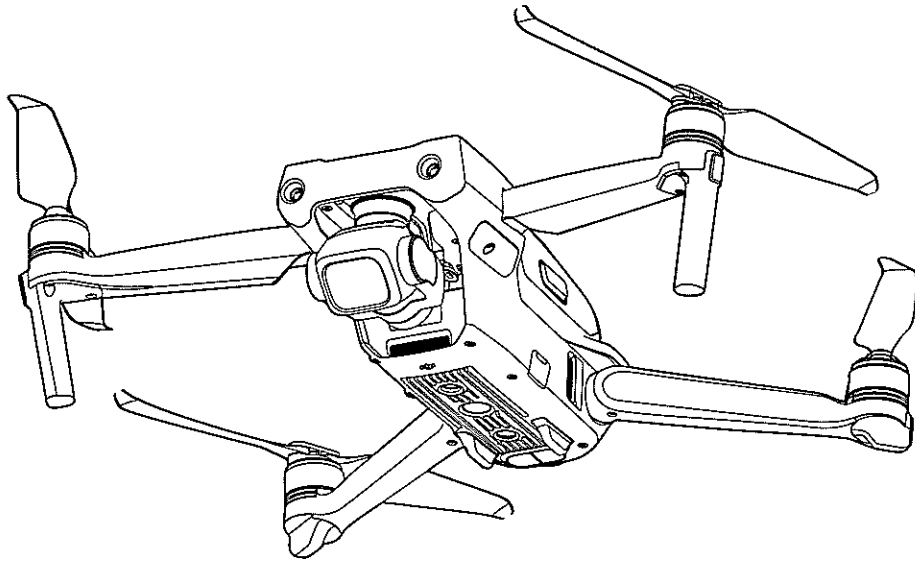
- Legend**
- Client Boundary
 - Client Cuts
 - Roads
 - Rivers
 - Lakes

AGNICO EAGLE
Carscallen Project
Denton Property
Drone Imagery
June 2022
1:2,250 50 M NAD83 Zone 17N

Appendix 5:
Drone DJI Air2S Specifications

DJI AIR 2 S

User Manual v1.2 2022.10



Sensing System	
Forward	Precision Measurement Range: 0.38-23.8 m Effective Sensing Speed: ≤ 15 m/s FOV: 72° (horizontal), 58° (vertical)
Backward	Precision Measurement Range: 0.37-23.4 m Effective Sensing Speed: ≤ 12 m/s FOV: 57° (horizontal), 44° (vertical)
Upward	Precision Measurement Range: 0.34-28.6 m Effective Sensing Speed: ≤ 12 m/s FOV: 63° (horizontal), 78° (vertical)
Downward	Infrared Sensor Measurement Range: 0.1-8 m Hovering Range: 0.5-30 m Vision Sensor Hovering Range: 0.5-60 m
Operating Environment	Non-reflective, discernible surfaces with diffuse reflectivity of $>20\%$; Adequate lighting of lux >15
Camera	
Sensor	1-inch CMOS Effective Pixels: 20MP
Lens	FOV: 88° 35 mm Format Equivalent: 22 mm Aperture: f/2.8 Shooting Range: 0.6 m to ∞
ISO	Video: 100-3200 (Auto), 100-6400 (Manual) Video-10bit: 100-800 (Auto), 100-1600 (Manual) Photo: 100-3200 (Auto), 100-12800 (Manual)
Electronic Shutter Speed	1/8000-8 s
Max Image Size	20MP (5472×3648, 3:2; 5472×3078, 16:9)
Still Photography Modes	Single: 20MP Burst: 20MP Automatic Exposure Bracketing (AEB): 20MP, 3/5 Frames at 0.7EV Step Timed: 20MP 2/3/5/7/10/15/20/30/60 seconds SmartPhoto: 20MP HDR Panorama: Vertical (3×1): approx. 3328×8000 pixels (W×H) Wide (3×3): approx. 8000×6144 pixels (W×H) 180° Panorama (3×7): approx. 8192×3500 pixels (W×H) Sphere (3×8+1): approx. 8192×4096 pixels (W×H)
Video Resolution	5.4K: 5472×3078 24/25/30fps 4K Ultra HD: 3840×2160 24/25/30/48/50/60fps 2.7K: 2688×1512 24/25/30/48/50/60fps FHD: 1920×1080 24/25/30/48/50/60/120fps
Max Video Bitrate	150 Mbps
Supported File System	FAT32 exFAT (recommend)
Photo Format	JPEG/DNG (RAW)
Video Format	MP4/MOV (H.264/MPEG-4 AVC, H.265/HEVC)

Digital Zoom	4K 24/25/30fps – 4x 2.7K 24/25/30fps – 6x 1080p 24/25/30fps – 8x 2.7K 48/50/60fps – 4x 1080p 48/50/60fps – 6x Note: Digital zoom is not available when recording in D-log, HLG, or slow motion at 120fps.
Remote Controller	
Operating Frequency	2.400-2.4835 GHz, 5.725-5.850 GHz
Remote Controller Transmission System	OcuSync 2.0
Max Transmission Distance (unobstructed, free of interference)	12 km (FCC) 8 km (CE/SRRC/MIC)
Operating Temperature	32° to 104° F (0° to 40° C)
Transmitter Power (EIRP)	2.400-2.4835 GHz: < 26 dBm (FCC), < 20 dBm (CE/SRRC/MIC) 5.725-5.850 GHz: < 26 dBm (FCC/SRRC), < 14 dBm (CE)
Battery Capacity	5200 mAh
Operating Current/Voltage	1200 mA@3.6 V (with Android device) 700 mA@3.6 V (with iOS device)
Max Supported Mobile Device Size (H×W×T)	180×86×10 mm
Supported USB Port Types	Lightning, Micro USB (Type-B), USB-C
Video Transmission System	
Video Transmission System	O3
Live View Quality	1080p@30fps
Max Transmission Distance (unobstructed, free of interference)	12 km (FCC) 8 km (CE/SRRC/MIC)
Video Coding Format	H.265/H.264
Max Bitrate	16 Mbps
Latency (depending on environmental conditions and mobile device)	120-130 ms
Charger	
Input	100-240V, 50/60 Hz, 1.3 A
Output	Battery: 13.2 V = 2.82 A USB: 5V/2A
Rated Power	38 W
Intelligent Flight Battery	
Battery Capacity	3500 mAh
Voltage	11.55 V
Max Charging Voltage	13.2 V
Battery Type	LiPo 3S
Energy	40.42 Wh
Weight	198 g

Charging Temperature	41° to 104° F (5° to 40° C)
Max Charging Power	38 W
App	
App	DJI Fly
Required Operating System	iOS v11.0 or later; Android v6.0 or later
SD Cards	
Supported SD Cards	UHS-I Speed Grade 3 rating microSD card
Recommended microSD Cards	SanDisk Extreme PRO 64GB V30 A2 microSDXC SanDisk High Endurance 64GB V30 microSDXC SanDisk Extreme 64GB V30 A2 microSDXC SanDisk Extreme 128GB V30 A2 microSDXC SanDisk Extreme 256GB V30 A2 microSDXC Lexar 667x 64GB V30 A2 microSDXC Lexar High-Endurance 64GB V30 microSDXC Samsung EVO 64GB microSDXC Samsung EVO Plus 64GB microSDXC Samsung EVO Plus 256GB microSDXC Kingston 128GB V30 microSDXC Netac 256GB A1 microSDXC
