



KIRKLAND LAKE GOLD REPORTS NEW HIGH-GRADE INTERSECTIONS AT MACASSA, RESULTS HIGHLIGHT POTENTIAL FOR MINERAL RESOURCE GROWTH AND NEW DISCOVERIES

- **High-grade intersections expand South Mine Complex (“SMC”) to the east**
 - Key intercepts: 118.8 g/t over 2.0 m core length (Unidentified Hanging Wall Zone), 62.7 g/t over 1.9 m true width (New South Zone), and 73.8 g/t over 2.7 m true width (New South Zone)
- **SMC intersected 250 m west of current Mineral Resource**
 - Key intercepts: 4,772.2 g/t over 2.0 m core length (Unidentified HW Zone), 436.9 g/t over 2.8 m core length (Unidentified HW Zone), and 436.9 g/t over 2.8 m core length (New South Zone) 158.0 g/t over 2.4 m true width (Lower SMC)
- **High-grade intersections expand Lower SMC to east and to depth**
 - Key intercepts: 2,458.6 g/t over 1.8 m true width (Lower SMC) 523.1 g/t over 2.0 m core length (Lower SMC), and 20.0 g/t over 3.8 m true width (Lower SMC)
- **New drilling, reinterpretation of historic holes, identifies two new areas of high-grade mineralization on Amalgamated Break**
 - Key intercepts: 429.1 g/t over 2.7 m true width (New drilling) (Amalgamated East), 164.8 g/t over 2.1 m true width (New drilling) (Amalgamated East), and 26.7 g/t over 1.2 m true width (New drilling) (Amalgamated East) 827.9 g/t over 2.0 m core length (Reinterpretation) (Amalgamated West), 360.9 g/t over 2.0 m core length (Reinterpretation) (Amalgamated West), 333.8 g/t over 2.0 m core length (Reinterpretation) (Amalgamated West).

Toronto, Ontario – May 2, 2019 – Kirkland Lake Gold Ltd. (“Kirkland Lake Gold” or the “Company”) (TSX:KL) (NYSE:KL) (ASX:KLA) today reported new high-grade drill intersections from underground exploration drilling within the SMC at the Macassa Mine, Kirkland Lake, Ontario. Results reported herein include 73 drill holes for 29,643 m of underground drilling from the east and west exploration drifts on the 5300-foot level (“5300 Level”) as well as from the 5700 Level Ramp Development (“5700 Ramp”). Underground drilling from the 5300 Level and 5700 Ramp will continue throughout the remainder of 2019. The Company’s recent underground exploration drilling efforts have utilized three drill rigs to focus on four main target areas – SMC East, SMC West, Lower SMC and the Amalgamated Break.

A total of 14 drill holes for 6,940 m drilled to the east of the SMC from the 5300 Level exploration drift intersected high-grade mineralization up to 60 m outside of existing Mineral Resources (Figure 1). A total of 11 drill holes for 5,396 m of drilling were completed from the 5300 Level west exploration drift targeting the New South and Lower SMC zones. This drilling intersected a mineralized zone, interpreted to be the Lower SMC, approximately 250 m west of the current Mineral Resources. An additional 40 drill holes for 15,990 m were completed from the 5700 Level ramp development, which intersected high-grade mineralization and successfully expanded the Lower SMC Zone. Refer to Table 1 for a completed list of drill hole results.

The Amalgamated Break provides areas of substantial exploration potential for Macassa that are largely untested with past drilling. In Q1 2019, preliminary drilling from the 5700 Level ramp development (8 holes for 1,317 m) successfully intersected a previously unidentified area of high-grade mineralization tightly associated with the Amalgamated Break. In addition, reinterpretation of intercepts from 15 previously drilled holes (2,953 m) from the 5700 Level ramp and five previously drilled holes (1,494 m) from the 5300 Level drift has resulted in the identification of a new, steep north-dipping mineralized zone north of, and likely associated



with, the Amalgamated Break. This new zone remains open and represents a highly prospective target area for the addition of new resource ounces.

Tony Makuch, President and CEO of Kirkland Lake Gold, commented: “Today’s results highlight what we have often said, that while it is a historic mine, Macassa is a modern operation, with high-grade, low-cost production and substantial exploration potential that will support mining well into the future. Early drilling in 2019 has successfully identified high-grade mineralization to the east, west and well below our existing Mineral Resource base in the SMC. In addition, areas running along the Amalgamated Break are extremely high-potential targets, the exploration of which will be enhanced immensely once we can drive underground exploration drifts off the #4 Shaft following its completion. While not generally well understood, these areas represent a whole new chapter for exploration in the Kirkland Lake camp. At surface, the Amalgamated Break is a fault that runs parallel to the Main/’04 Break, the source for most of Kirkland Lake’s 25 million ounces of historic gold production. Unlike the Main/’04 Break, the Amalgamated Break is largely unexplored. The SMC is the first major high-grade zone discovered that is associated with the Amalgamated Break, and we are confident that there could be many more. In fact, with limited drilling, we have already identified two new areas of high-grade mineralization along the Break near our current mining operations. We will follow up on these results over the balance of this year and plan to expand our exploration efforts going forward.”

SMC East

A total of 14 drill holes and 6,940 m of drilling has recently been completed from the 5300 Level east exploration drift targeting the New South and Footwall zones. Exploration efforts continue to intersect high grade mineralization outside of the current resource area supporting further resource growth. Drill holes of note in this area include: 53-3628 (**62.7 g/t over 1.9 m true width (New South Zone)**), 53-3572 (**118.8 g/t over 2.0 m core length (unidentified HW zone, true width unknown)**), 53-3623A (**73.8 g/t over 2.7 m true width (New South Zone)**). Ongoing exploration development to the east on 5300 Level in Q1 and excavation of diamond drill bay 165 m east of the current drill bay will allow for further testing of the SMC with the potential for resource growth. A diamond drill was mobilized into this new drill bay and commenced drilling at the end of Q1 and will continue to drill targets from this platform through 2019.

SMC West

A total of 11 drill holes for 5,396 m of drilling has recently been completed from the 5300 Level west exploration drift targeting the New South and Lower SMC zones. Completion of a diamond drill bay on the 5300 Level west exploration drift at the end of 2018 allowed for the mobilization of a diamond drill to the platform and commencement of drilling early in 2019. Phase 1 of the drilling program was designed to test the general mineralizing potential of the area with wide spaced holes. Initial efforts have intersected a mineralized zone, interpreted to be the Lower SMC, approximately 250 m west of the current resource (Figure 2). This significant step out is an early indication of the potential for future resource growth in this area. Drilling also resulted in several high-grade intercepts that will require further follow up to confirm geometry. Drill holes of note in this area include: 53-3697A (**436.9 g/t over 2.8 m core length (New South Zone)**), 53-3733 (**158.0 g/t over 2.4 m true width (Lower SMC)**), 53-3695 (**79.0 g/t over 1.0 m true width (Lower SMC)**), 53-3698 (**4,772.2 g/t over 2.0 m core length (unidentified HW zone, true width unknown)**) and 53-3697A (**436.9 g/t over 2.8 m core length (unidentified HW zone, true width unknown)**). Phase 2 of this drilling will focus on closer spaced drilling in an effort to add resource ounces to the current inventory. Exploration development continues to the west on the 5300 Level and excavation of a new diamond drill bay 165 m west of the current drill bay is anticipated later in Q2. Drilling from this new drill bay is anticipated to commence in Q2 and will allow for drilling coverage of a significant area west of the current SMC resource and testing of target areas deep on the ’04 Break.



Lower SMC

A total of 40 drill holes for 15,990 m of drilling has been completed from the 5700 Ramp development targeting the central part of the Lower SMC. The drill program was designed to test outside of the current resource area. This drill program has been successful in expanding the Lower SMC zone in this area and shows potential for addition of resource ounces. Drill holes of note in this area include: 57-625 (**2,458.6 g/t over 1.8 m true width (Lower SMC)**), 57-658 (**523.1 g/t over 2.0 m core length (unidentified HW zone, true width unknown)**), and 57-622 (**20.0 g/t over 3.8 m true width (Lower SMC)**). The current drill program has been completed and the drill has been mobilized to the far east drill bay on the 5300 Level to test the east extension of the SMC.

Amalgamated Break East and West

A total of 8 drill holes for 1,317 m of drilling is being reported from the 5700 Ramp targeting the Amalgamated Break to the east. This early stage drilling program has identified an area of high-grade mineralization tightly associated with the Amalgamated Break. The Amalgamated Break has been largely untested and represents an important emerging exploration target which remains open and represents a highly prospective target area for the addition of new resource ounces. Drill holes of note in this area include: 57-704 (**429.1 g/t over 2.7 m true width**), 57-689 (**164.8 g/t over 2.1 m true width**) and 57-703 (**26.7 g/t over 1.2 m true width**). Drilling to follow up on the down dip and western extent of this mineralization will continue in Q2 and will continue throughout 2019 if warranted by further positive results.

Reinterpretation of intercepts from 15 production drill holes (2,953 m) drilled to the west from the 5700 Ramp development and five exploration drill holes (1,494 m) drilled to the west from the 5300 Level has outlined a steep north-dipping mineralized zone north of and in the immediate hangingwall of the Amalgamated Break. This zone remains open and represents a highly prospective target area for the addition of new resource ounces. Drill holes of note in this area include: 57-425 (**827.9 g/t over 2.0 m core length (Amalgamated West)**), 57-423 (**360.9 g/t over 2.0 m core length (Amalgamated West)**), 57-418 (**333.8 g/t over 2.0 m core length (Amalgamated West)**). Refer to Table 2 for the complete list of production and reinterpreted drill holes. Additional drilling in this area is planned from the 5700 Ramp development in Q2 and will continue throughout 2019 if warranted by further positive results.

2019 Underground Exploration Development

Underground development on the 5300 Level will be ongoing throughout 2019 and is scheduled to include 350 m of advancement to the east and 429 m of advancement to the west including all track development and the excavation of diamond drill bays. This development is part of an ongoing effort to expand the SMC in all directions and to test for and define new target areas.

Qualified Person

The Company's exploration programs at Macassa are conducted under the supervision of Eric Kallio, P.Geo., Senior Vice President, Exploration. Eric Kallio is the 'qualified person' for the purpose of National Instrument 43-101, *Standards of Disclosure for Mineral Projects*, of the Canadian Securities Administrators, and has reviewed and approved the scientific and technical information in this news release.

QA/QC Controls

The Company has implemented a quality assurance and control ("QA/QC") program to ensure sampling and analysis of all exploration work is conducted in accordance with best practices. Samples are logged and sampled in a secure facility at the Macassa mine site and under supervision of Qualified Geologists. BQ sized core is sawn in half with one half of the core being shipped to Swastika Laboratories in Swastika, Ontario and the other half retained for future assay verification. Assaying of the samples is completed using Fire Assay techniques



with samples less than 6 gpt being analyzed with Atomic Absorption (AA) and samples greater than 6 gpt with gravimetric finish. Selected high grade samples are also analyzed using the screen metallics procedure. Other QA/QC includes the insertion of certified reference standards, blanks and the regular re-assaying of pulps and rejects at alternate certified laboratories. The laboratory re-assays at least 10% of all samples and additional checks may be run on anomalous values.

About Kirkland Lake Gold Ltd.

Kirkland Lake Gold Ltd. is a growing gold producer operating in Canada and Australia that produced 723,701 ounces in 2018 and is on track to achieve significant production growth over the next three years, including target production of 920,000 – 1,000,000 ounces in 2019, 930,000 – 1,010,000 ounces in 2020 and 995,000 – 1,055,000 ounces in 2021. The production profile of the Company is anchored by two high-grade, low-cost operations, including the Macassa Mine located in Northern Ontario and the Fosterville Mine located in the state of Victoria, Australia. Kirkland Lake Gold's solid base of quality assets is complemented by district scale exploration potential, supported by a strong financial position with extensive management and operational expertise.

For further information on Kirkland Lake Gold and to receive news releases by email, visit the website www.klgold.com.

Cautionary Note Regarding Forward-Looking Information

This Press Release contains statements which constitute "forward-looking statements" within the meaning of applicable securities laws, including statements regarding the plans, intentions, beliefs and current expectations of the Company with respect to the future business activities and operating performance of the Company. The words "may", "would", "could", "should", "will", "intend", "plan", "anticipate", "believe", "estimate", "expect" and similar expressions, as they relate to the Company, are intended to identify such forward-looking statements. Investors are cautioned that forward-looking statements are based on the opinions, assumptions and estimates of management considered reasonable at the date the statements are made such as, without limitation, opinion, assumptions and estimates of management regarding the Company's business, including but not limited to; the continued exploration programs on the SMC mineralization, the timing and results thereof; the ability to continue to expand the SMC and to increase its level of resources and the timing thereof; the potential to increase the level of resources and reserves and potential conversion of mineral resources; the anticipated completion date of the #4 shaft and potential impact and benefits thereof; the amount of future production over any period; and assumptions made relating to operating cash costs based on forecasts and projections. Such opinions, assumptions and estimates, are inherently subject to a variety of risks and uncertainties and other known and unknown factors that could cause actual events or results to differ materially from those projected in the forward-looking statements. These factors include the Company's expectations in connection with the projects and exploration programs being met, the impact of general business and economic conditions, global liquidity and credit availability on the timing of cash flows and the values of assets and liabilities based on projected future conditions, fluctuating gold prices, currency exchange rates (such as the Canadian dollar versus the United States Dollar), possible variations in ore grade or recovery rates, changes in accounting policies, changes in the Company's corporate mineral reserves and resources, changes in project parameters as plans continue to be refined, changes in project development, construction, production and commissioning time frames, the possibility of project cost overruns or unanticipated costs and expenses, higher prices for fuel, power, labour and other consumables contributing to higher costs and general risks of the mining industry, failure of plant, equipment or processes to operate as anticipated, unexpected changes in mine life, seasonality and unanticipated weather changes, costs and timing of the development of new deposits, success of exploration activities, permitting time lines, government regulation of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims, and limitations on insurance, as well as those risk factors discussed or referred to in the Company's annual Management's Discussion and Analysis and Annual Information Form for the year ended December 31,



2017, filed with the securities regulatory authorities in certain provinces of Canada and available at www.sedar.com.

Should one or more of these risks or uncertainties materialize, or should assumptions underlying the forward-looking statements prove incorrect, actual results may vary materially from those described herein as intended, planned, anticipated, believed, estimated or expected. Although the Company has attempted to identify important risks, uncertainties and factors which could cause actual results to differ materially, there may be others that cause results not to be as anticipated, estimated or intended. The Company does not intend, and does not assume any obligation, to update these forward-looking statements except as otherwise required by applicable law.

Cautionary Note to U.S. Investors - Mineral Reserve and Resource Estimates

All resource and reserve estimates included in this news release or documents referenced in this news release have been prepared in accordance with Canadian National Instrument 43-101 - Standards of Disclosure for Mineral Projects ("NI 43-101") and the Canadian Institute of Mining, Metallurgy and Petroleum (the "CIM") - CIM Definition Standards on Mineral Resources and Mineral Reserves, adopted by the CIM Council, as amended (the "CIM Standards"). NI 43-101 is a rule developed by the Canadian Securities Administrators, which established standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. The terms "mineral reserve", "proven mineral reserve" and "probable mineral reserve" are Canadian mining terms as defined in accordance with NI 43-101 and the CIM Standards. These definitions differ materially from the definitions in SEC Industry Guide 7 ("SEC Industry Guide 7") under the United States Securities Act of 1933, as amended, and the Exchange Act.

In addition, the terms "Mineral Resource", "measured Mineral Resource", "indicated Mineral Resource" and "Inferred Mineral Resource" are defined in and required to be disclosed by NI 43-101 and the CIM Standards; however, these terms are not defined terms under SEC Industry Guide 7 and are normally not permitted to be used in reports and registration statements filed with the U.S. Securities and Exchange Commission (the "SEC"). Investors are cautioned not to assume that all or any part of mineral deposits in these categories will ever be converted into reserves. "Inferred Mineral Resources" have a great amount of uncertainty as to their existence, and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of an Inferred Mineral Resource will ever be upgraded to a higher category. Under Canadian rules, estimates of Inferred Mineral Resources may not form the basis of feasibility or pre-feasibility studies, except in very limited circumstances. Investors are cautioned not to assume that all or any part of a Mineral Resource exists, will ever be converted into a Mineral Reserve or is or will ever be economically or legally mineable or recovered.

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Table 1: Complete List of Reported Drill Holes

DRILL HOLE	EASTING	NORTHING	ELEVATION (m)	HOLE LENGTH (m)	AZI	DIP (°)	Target	FROM (m)	TO (m)	CORE LENGTH (m)	True Width (m)	Grade Au (g/t)	Cut Grade (g/t)	Zone
53-3570	570026	5331721	-1261	457	325	-64	East	NSV						
53-3571	570026	5331721	-1261	466	329	-60	East	245.5	249.0	3.6	3.4	3.2		1-12
Including								248.1	249.0	0.9	0.9	7.9		
AND								256.0	259.1	3.0		4.5		
AND								326.9	328.9	2.0		31.4		
Including								327.5	328.1	0.6		96.9		
53-3572	570026	5331721	-1261	442	343	-67	East	177.1	179.1	2.0		118.8		
Including								177.8	178.2	0.4		650.2		
AND								260.9	264.0	3.0	2.8	3.2		1-12
Including								262.4	262.7	0.3	0.3	10.0		
53-3573	570025	5331722	-1261	516	350	-49	East	255.8	257.8	2.0	2.0	8.7		1-12
Including								255.8	256.8	1.0	1.0	16.7		
AND								262.7	264.7	2.0		6.1		
Including								264.0	264.3	0.3		38.8		
AND								283.6	290.2	6.5		4.7		
Including								287.7	290.2	2.5		8.5		
53-3574	570026	5331721	-1261	488	354	-58	East	254.2	256.2	2.0	2.0	15.0		1-12
Including								254.9	255.3	0.5	0.5	55.9		
AND								332.8	334.8	2.0		32.7		
Including								333.8	334.8	1.1		60.5		
53-3575	570025	5331722	-1261	549	356	-48	East	NSV						
53-3576	570025	5331723	-1261	686	357	-36	East	257.1	261.8	4.7	4.6	9.3		1-12
Including								257.1	257.6	0.5	0.5	38.8		
Including								261.2	261.8	0.6	0.6	25.3		
53-3577	570026	5331722	-1261	503	0	-55	East	253.3	255.3	2.0	2.0	31.9		1-12



Including								254.8	255.1	0.3	0.3	181.2		
AND								280.2	282.2	2.0		15.6		
Including								280.4	280.8	0.4		79.1		
53-3578	570025	5331724	-1261	597	359	-33	East	NSV						
53-3579	570027	5331722	-1261	447	22	-59	East	NSV						
53-3619A	570026	5331721	-1261	408	309	-48	East	NSV						
53-3620	570026	5331721	-1261	396	312	-55	East	253.9	260.3	6.4	5.9	9.1		1-12
Including								253.9	256.0	2.1	2.0	22.1		
Including								253.9	254.5	0.6	0.5	71.7		
Including								259.7	260.3	0.6	0.5	16.2		
53-3623A	570025	5331722	-1261	503	343	-44	East	314.4	317.3	2.9	2.7	73.8		1-12
Including								316.2	317.3	1.1	1.0	197.4		
53-3628	570026	5331723	-1261	482	10	-49	East	266.9	268.9	2.0	1.9	62.7	43.6	1-12
Including								267.6	267.9	0.3	0.3	400.3	274.3	
AND								418.2	420.2	2.0		10.8		
Including								418.8	419.7	0.9		21.5		
53-3685	568756	5331152	-1264	305	128	-74	West SMC	NSV						
53-3690	568756	5331152	-1264	969	287	-3	West SMC	NSV						
53-3691A	568756	5331152	-1264	579	295	-46	West	NSV						
53-3692	568756	5331152	-1264	305	293	-22	West	170.4	172.8	2.4	0.8	26.3		
Including								170.4	171.6	1.2	0.4	47.2		
53-3695	568756	5331152	-1264	494	307	-32	West	87.5	89.7	2.2		3.0		
Including								88.7	89.7	1.0		5.0		
AND								376.1	378.1	2.0	1.0	79.0		3-0
Including								376.6	377.3	0.8	0.3	208.0		
53-3697A	568756	5331152	-1264	610	312	-18	West	57.9	61.8	3.9		6.8		
Including								57.9	58.8	0.8		25.4		
AND								135.2	138.0	2.8		436.9		



Including								135.6	136.8	1.2		1015.8		
AND								139.6	141.7	2.1		6.4		
AND								143.9	146.7	2.8		3.2		
AND								157.3	160.5	3.2	1.9	5.9		
AND								415.7	417.7	2.0	1.4	30.0		3-17
Including								415.7	416.8	1.1	0.8	54.6		
53-3698	568756	5331152	-1264	396	313	-40	West	216.5	218.5	2.0		4772.2		
Including								216.5	216.9	0.4		26211.7		
53-3733	568756	5331152	-1264	427	345	-25	West	346.9	349.3	2.4	2.4	158.0	23.5	3-17
Including								347.5	348.1	0.6	0.6	621.4	83.5	
Including								347.8	348.1	0.3	0.3	1178.6	102.9	
53-3734	568756	5331152	-1264	168	23	-35	West	102.4	104.4	2.0	1.8	30.1		
Including								102.4	103.0	0.6	0.5	90.2		
53-3749	568756	5331152	-1264	565	311	-13	West	183.4	185.4	2.0	2.0	9.6		5-14
Including								185.0	185.4	0.4	0.4	50.3		
53-3750	568756	5331152	-1264	579	310	-16	West	156.1	158.1	2.0	1.1	30.5		
Including								157.2	157.9	0.6	0.3	92.4		
AND								309.6	311.6	2.0	1.0	8.4		
57-580	569222	5331378	-1398	126	38	-62	Lower SMC	NSV						
57-581	569222	5331378	-1398	396	39	-55	Lower SMC	212.7	214.7	2.0	1.8	6.4		1-53
Including								213.4	214.1	0.7	0.6	17.3		
AND								324.2	326.7	2.5	1.8	3.4		3-14
57-583	569221	5331374	-1398	427	47	-56	Lower SMC	73.8	76.7	3.0		7.9		
AND								196.7	198.7	2.0		5.1		
Including								197.6	198.1	0.5		14.4		
AND								346.3	348.4	2.0	1.2	3.2		3-14
57-584A	569221	5331374	-1398	460	55	-60	Lower SMC	189.7	191.7	2.0		4.3		



Including								190.7	191.1	0.4		21.2		
AND								205.4	207.4	2.0	1.8	72.5		1-53
Including								206.3	206.7	0.4	0.3	342.2		
AND								319.8	322.8	3.0		5.1		
57-585	569221	5331374	-1398	518	302	-56	Lower SMC	413.2	415.2	2.0	1.4	13.6		3-14
Including								413.5	414.0	0.5	0.3	52.1		
AND								432.1	434.2	2.0		3.3		
57-586	569221	5331374	-1398	40	309	-61	Lower SMC	Hole Restarted						
57-586A	569221	5331374	-1398	472	312	-55	Lower SMC	69.8	71.8	2.0		6.4		1-37?
Including								71.0	71.8	0.8		14.6		
AND								272.6	274.6	2.0		13.2		
AND								393.4	395.4	2.0	1.3	33.7		3-14
Including								394.3	394.8	0.5	0.3	134.6		
57-588	569221	5331374	-1398	456	317	-59	Lower SMC	365.7	368.2	2.5		12.7		
Including								367.8	368.2	0.3		83.6		
57-607	569221	5331374	-1398	375	19	-54	Lower SMC	278.9	280.9	2.0	1.8	3.4		3-14
57-609	569221	5331374	-1398	488	19	-74	Lower SMC	293.9	295.9	2.0		3.5		
AND								425.8	430.4	4.6	1.8	7.4		3-14
Including								425.8	427.0	1.2	0.5	16.2		
Including								429.6	430.4	0.8	0.3	13.9		
57-610	569221	5331374	-1398	396	37	-58	Lower SMC	332.8	334.8	2.0	1.3	5.5		3-14
Including								332.8	333.2	0.4	0.3	24.9		
57-611	569222	5331374	-1398	152	61	-40	Lower SMC	NSV - Target not reached						
57-612	569221	5331374	-1398	274	68	-53	Lower SMC	NSV - Target not reached						



57-613	569222	5331374	-1398	305	73	-40	Lower SMC	92.1	95.0	2.9		4.1		
AND								100.0	102.4	2.3		7.7		
57-619	569221	5331374	-1398	457	306	-48	Lower SMC	409.5	411.5	2.0	1.3	6.4		3-14
Including								409.9	410.8	0.9	0.6	13.9		
57-620	569221	5331374	-1398	488	306	-52	Lower SMC	NSV						
57-621	569221	5331374	-1398	457	309	-46	Lower SMC	NSV						
57-622	569221	5331374	-1398	418	310	-51	Lower SMC	161.8	163.8	2.0		3.1		
Including								162.8	163.1	0.4		17.0		
AND								197.5	199.6	2.0		12.6		
Including								198.1	199.0	0.9		26.8		
AND								391.0	393.0	2.0		6.0		
AND								396.5	401.5	5.1	3.8	20.0		3-14
Including								396.5	396.8	0.3	0.2	64.7		
Including								398.9	399.3	0.4	0.3	153.3		
57-623	569221	5331374	-1398	457	312	-56	Lower SMC	385.6	387.6	2.0	1.3	4.2		3-14
57-624	569221	5331374	-1398	392	320	-60	Lower SMC	NSV						
57-625	569221	5331374	-1398	427	320	-62	Lower SMC	342.3	345.2	2.8	1.8	2458.6		3-14
Including								342.3	342.6	0.3	0.2	22469.3		
Including								344.6	345.2	0.6	0.4	206.8		
AND								357.7	361.8	4.1		3.9		
57-626	569221	5331374	-1398	488	322	-65	Lower SMC	351.6	353.6	2.0	1.1	7.0		3-14
Including								352.7	353.6	0.9	0.5	15.5		
AND								426.4	434.2	7.8		3.2		
57-627	569221	5331374	-1398	451	327	-66	Lower SMC	441.7	443.7	2.0		15.8		



Including								441.7	442.2	0.6		54.9		
57-628	569221	5331374	-1398	366	342	-59	Lower SMC	180.0	182.0	2.0		3.9		
Including								180.6	181.1	0.4		17.1		
57-629	569221	5331374	-1398	396	335	-63	Lower SMC	310.3	312.3	2.0	1.4	66.2		3-14
Including								310.9	311.5	0.6	0.4	228.8		
57-630A	569221	5331374	-1398	445	346	-70	Lower SMC	173.3	175.6	2.3		6.0		
57-631	569221	5331374	-1398	456	27	-67	Lower SMC	NSV						
57-632	569221	5331374	-1398	366	36	-55	Lower SMC	208.8	210.8	2.0	1.9	4.3		1-53
Including								209.9	210.2	0.3	0.3	27.9		
57-653	569221	5331374	-1398	482	309	-60	Lower SMC	NSV						
57-654	569221	5331374	-1398	480	349	-55	Lower SMC	NSV						
57-655	569221	5331374	-1398	30	348	-69	Lower SMC	NSV - Hole Abandoned						
57-656	569221	5331374	-1398	383	24	-58	Lower SMC	200.2	202.2	2.0	1.9	32.4		1-53
Including								201.0	201.4	0.3	0.3	166.0		
57-658	569221	5331374	-1398	503	36	-69	Lower SMC	96.0	98.0	2.0		523.1		
Including								96.1	96.4	0.3		2827.9		
AND								186.1	189.7	3.6	3.5	16.0		1-53
Including								186.1	186.4	0.3	0.3	143.2		
AND								246.9	248.9	2.0		6.1		
Including								247.6	248.1	0.5		26.7		
AND								401.6	407.1	5.5	1.8	8.9		3-14
Including								401.6	405.4	3.8	1.2	11.7		
Including								401.6	402.3	0.8	0.1	44.5		



57-682	569221	5331374	-1398	396	36	-46	Lower SMC	220.2	222.5	2.3	1.9	5.1		1-53
57-683	569221	5331374	-1398	443	46	-58	Lower SMC	NSV						
57-685	569221	5331374	-1398	168	125	-41	AK BREAK	NSV						
57-686	569221	5331374	-1399	49	136	-50	AK BREAK	Hole Restarted						
57-686A	569221	5331374	-1398	137	136	-47	AK BREAK	NSV						
57-687	569221	5331374	-1398	137	176	-53	AK BREAK	NSV						
57-688	569221	5331374	-1398	229	186	-41	AK BREAK	69.3	71.3	2.0	2.0	5.0		3-26
Including								69.4	69.8	0.4	0.4	19.2		
57-689	569221	5331374	-1398	277	235	-40	AK BREAK	94.5	97.5	3.0	2.1	164.8		3-26
Including								95.3	95.7	0.5	0.3	770.2		
57-698	569221	5331374	-1398	405	312	-46	Lower SMC	376.7	378.7	2.0		4.8		3-14
Including								377.7	378.1	0.3		27.2		
57-700	569221	5331374	-1398	486	317	-58	Lower SMC	345.4	347.4	2.0	1.3	26.4		3-14
Including								345.4	346.2	0.8	0.5	66.7		
57-700A	569221	5331374	-1398	488	312	-59	Lower SMC	407.4	410.1	2.7		3.3		3-14
57-701	569221	5331374	-1398	472	4	-72	Lower SMC	NSV						
57-702	569221	5331374	-1398	472	19	-72	Lower SMC	179.0	181.1	2.0		3.6		1-53
Including								180.1	180.4	0.3		20.5		
AND								269.3	271.3	2.0		3.2		
Including								270.4	270.8	0.3		21.0		
AND								431.3	433.3	2.0		39.6		3-14
Including								432.0	432.5	0.5		140.3		



57-703	569221	5331374	-1398	168	241	-46	AK BREAK	63.3	65.3	2.0		7.1		
Including								64.7	65.3	0.6		23.3		
AND								101.9	103.9	2.0	1.2	26.7		3-26
Including								101.9	102.7	0.8	0.5	67.4		
57-704	569221	5331374	-1398	152	228	-44	AK BREAK	79.2	82.6	3.3	2.7	429.1		3-26
Including								79.2	79.9	0.6	0.5	1986.7		

NSV = No significant value, VG = Visible Gold; Tell = Tellurides; *Cut = cut to 274.3 g/t for New South Zone and 102.9 g/t for Lower SMC.

The top cut only applies to New South Zone and Lower SMC where a statistical cut has been calculated. All other zones remain uncut.

* Assay result reported was completed at Macassa's on-site laboratory as part of a definition drilling program.

**As part of routine QA/QC procedures to verify a select sample of high-grade assay, the pulp from this sample was also sent to an off-site independent lab for assay.

Drill Hole	EASTING	NORTHING	ELEVATION (m)	HOLE LENGTH (m)	AZIMUTH	DIP (°)	FROM (m)	TO (m)	CORE LENGTH (m)	Grade Au (g/t)
57-418	568974	5331174	-1389	69	287	-45	23.6	25.5	2.0	333.8**
Including							23.9	24.2	0.3	2097.3**
57-419	568974	5331174	-1388	144	302	1	NSV			
57-420	568974	5331174	-1388	122	300	-6	11.6	13.6	2.0	10.1**
Including							12.0	12.7	0.7	27.2**
57-421	568974	5331175	-1388	168	311	0	NSV			
57-422	568974	5331175	-1388	175	316	11	9.8	11.8	2.0	8.5*
Including							10.5	11.0	0.6	22.2*
57-423	568974	5331175	-1388	160	323	10	10.2	12.2	2.0	360.9**
Including							10.5	10.8	0.3	2325.7**
57-424	568974	5331175	-1388	168	322	2	10.8	12.7	2.0	45.6**
Including							10.8	11.1	0.3	233.6**
57-425	568974	5331175	-1388	114	324	-5	10.5	12.5	2.0	827.9**
Including							11.1	11.8	0.7	2317.7**



57-426	568975	5331175	-1388	206	-27	7	11.3	13.3	2.0	3.6*
57-429	568975	5331175	-1388	107	-15	-13	10.2	12.2	2.0	19.2**
57-430	568975	5331175	-1388	145	-5	5	NSV			
57-432	568976	5331175	-1388	99	22	-16	22.5	25.2	2.7	15.8**
Including							22.5	23.6	1.1	31.4*
57-439	568974	5331175	-1389	457	318	-36	14.8	18.1	3.3	17.3*
Including							14.8	15.3	0.5	86.7*
57-440	568974	5331175	-1389	457	323	-36	14.2	18.1	4.0	4.0*
57-442	568975	5331175	-1389	362	-25	-38	15.9	18.7	2.7	14.1**
53-2150	568905	5331233	-1266	213	118	-58	156.7	158.6	2.0	53.5
Including							158.3	158.6	0.3	322.5
53-2253	568905	5331233	-1266	229	131	-66	178.2	180.7	2.5	32.9
Including							179.8	180.7	0.8	92.5
53-2230	568905	5331233	-1266	213	129	-67	187.5	189.5	2.0	33.5
Including							187.5	188.2	0.7	91.3
53-2255	568902	5331232	-1266	610	183	-66	177.8	182.1	4.4	16.7
Including							177.8	178.7	0.9	60.9
Including							181.6	182.1	0.5	24.4
53-2256	568901	5331232	-1266	229	202	-59	193.3	195.3	2.0	4.0

NSV = No significant value, VG = Visible Gold; Tell = Tellurides;

* Assay result reported was completed at Macassa's on-site laboratory as part of a definition drilling program.

**As part of routine QA/QC procedures to verify a select sample of high-grade assay, the pulp from this sample was also sent to an off-site independent lab for assay.



Figure 1: Plan View of 5300 Level East Showing Latest Drill Hole Intersections

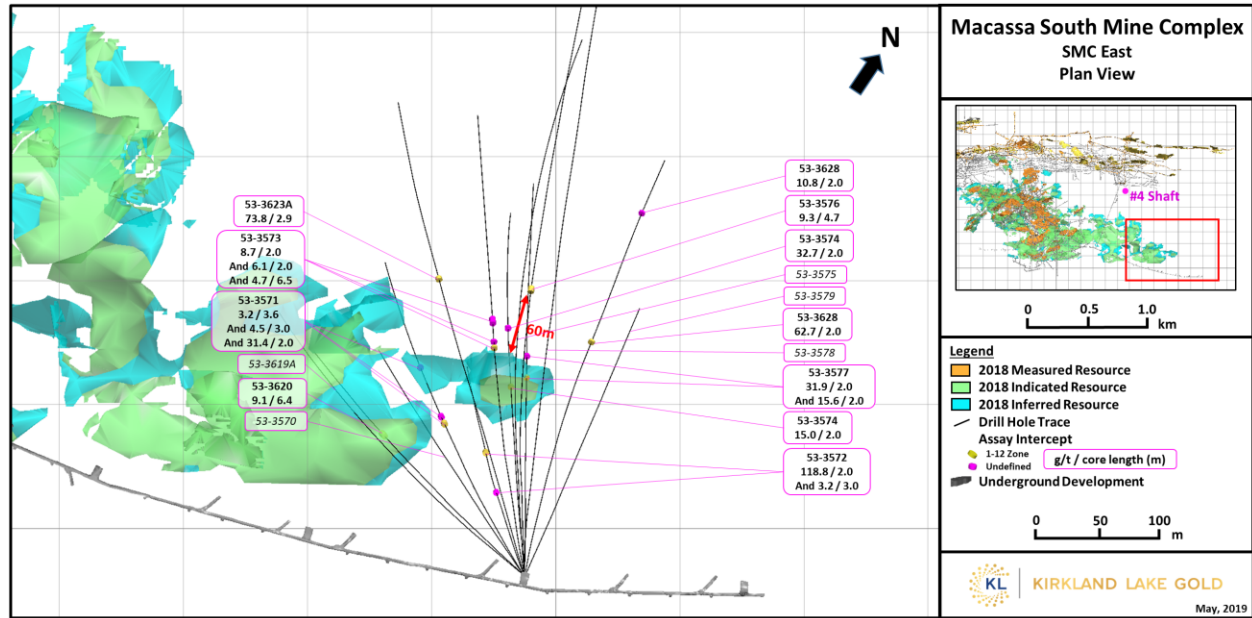


Figure 2: Isometric view of the 5300 Level West Showing Latest Drill Hole Intersections

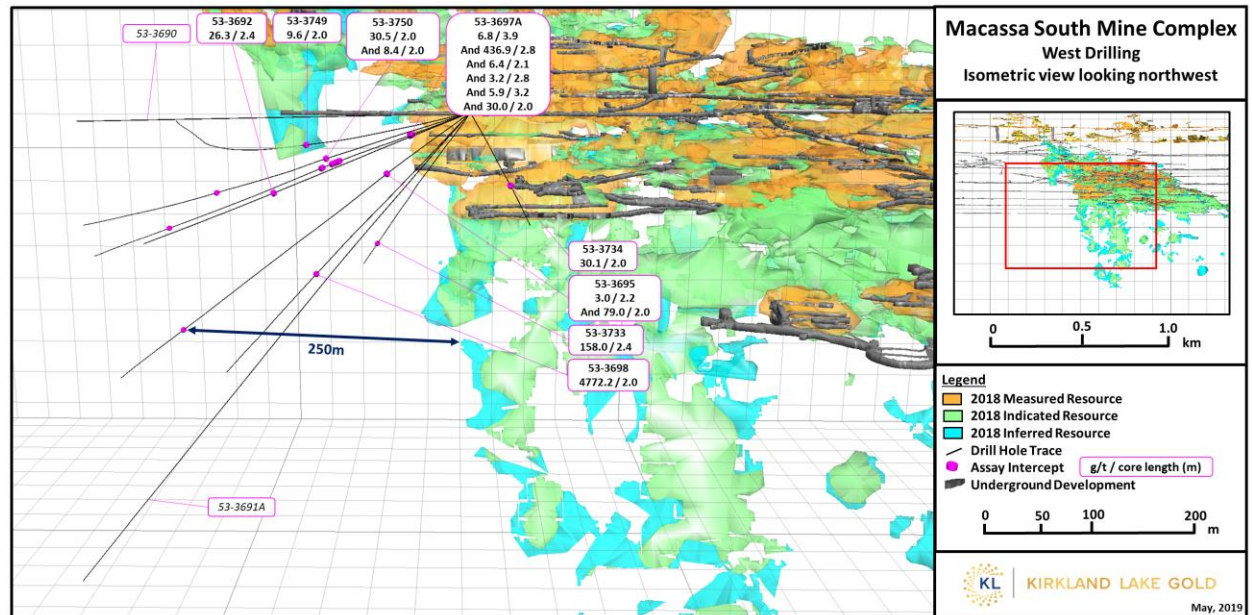




Figure 3: Longitudinal of the 5700 Level Showing Latest Drill Hole Intersections of the Lower SMC

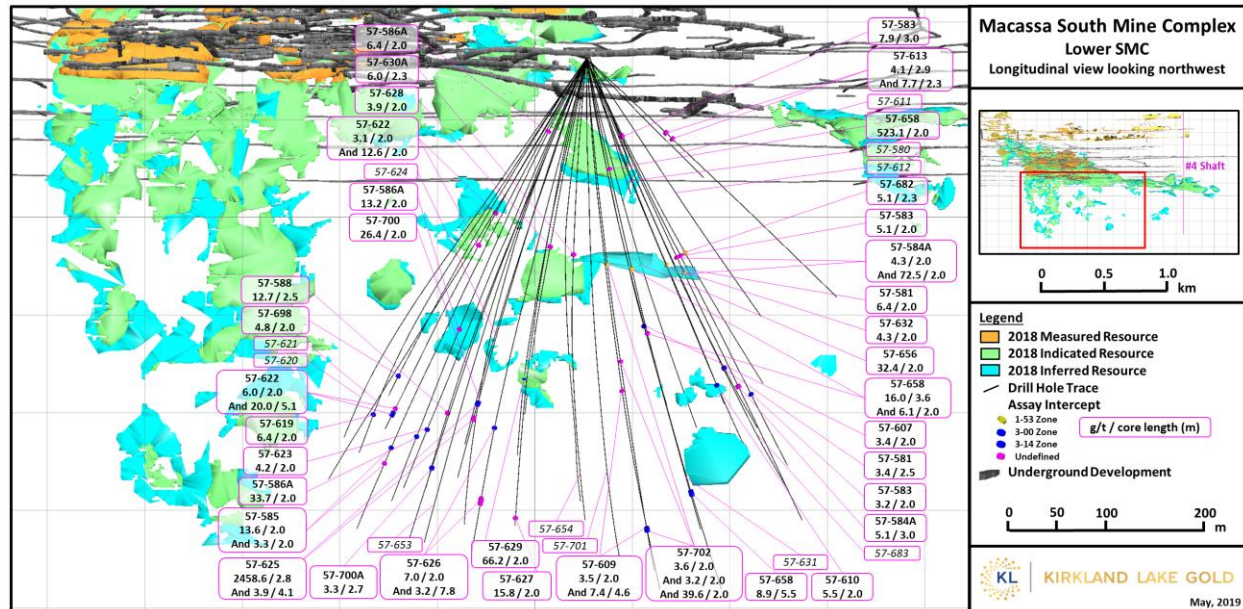


Figure 4: Longitudinal of the 5700 Level Showing Latest Drill Hole Intersections targeting the Amalgamated Break

