Osisko Intersects 31.4 g/t Au Over 6.0 Metres at Windfall

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Drake Extended 100 Metres to NE

Caribou Extension Confirmed to NE

TORONTO, ONTARIO--(Marketwired - Oct 18, 2017) - Osisko Mining Inc. (TSX:OSK) ("Osisko" or the "Corporation") is provide new results from the ongoing drill program at its 100% owned Windfall Lake gold project located in Urban Town Québec. The 800,000 metre drill program combines definition, expansion and exploration drilling in and around the mai gold deposit and the adjacent Lynx deposit (located immediately NE of Windfall). Significant new analytical results from intercepts in 24 drill holes focused on infill and expansion drilling in the Underdog, Caribou, and Mallard corridors of the deposit are presented below.

Highlights from the new results include: 250 g/t Au over 2.0 metres and 73.6 g/t over 2.0 metres in OSK-W-17-903 in th corridor; 108 g/t Au over 2.3 metres in OSK-W-17-1179; 31.4 g/t Au over 6.0 metres in OSK-W-17-820 in the Caribou c 36.6 g/t Au over 3.4 metres in OSK-W-17-867 in the Wolf Zone footwall. Maps showing hole locations and full analytica available at www.osiskomining.com.

Hole Number	From (m)	To (m)	Interval (m)	Au (g/t) uncut	Au (g/t) cut to 100 g/t	Zone	Corridor
OSK-EAG-13-503	342.5	344.9	2.4	8.96		New	Underdog
including	*343.5*	*344.9*	*1.4*	*13.3*			
OSK-OBM-16-601	795.0	797.8	2.8	5.26		FW4	Underdog
including	*797.1*	*797.8*	*0.7*	*20.7*			
OSK-OBM-16-664	649.0	652.0	3.0	12.8		FW3U HW	Underdog
OSK-W-17-664-W1	754.0	756.4	2.4	4.89		FW3U	Underdog
including	*754.9*	*755.8*	*0.9*	*12.8*			
OSK-W-17-820	558.5	564.5	6.0	31.4	25.4	CS1	Caribou
including	*561.0*	*563.0*	*2.0*	*83.0*	*65.0*		
OSK-W-17-854-W1	489.6	492.0	2.4	7.97		Wolf FW	Caribou
including	*491.3*	*492.0*	*0.7*	*15.1*			
	498.0	501.0	3.0	5.18		Wolf FW	Caribou
OSK-W-17-855-W2	759.9	762.0	2.1	11.1		FW1	Underdog
including	*759.9*	*761.0*	*1.1*	*20.8*			
	861.0	863.0	2.0	8.88		FW2	Underdog
including	*862.0*	*863.0*	*1.0*	*17.4*			
OSK-W-17-862-W2	640.0	643.0	3.0	13.4		Wolf FW	Caribou
including	*642.0*	*643.0*	*1.0*	*38.9*			
OSK-W-17-867	714.1	717.5	3.4	36.6	29.9	Wolf FW	Caribou
including	*715.0*	*716.0*	*1.0*	*123*	*100*		
OSK-W-17-871	23.2	25.8	2.6	5.39		TBD	
including	*24.1*	*25.0*	*0.9*	*15.2*			
	269.0	271.4	2.4	6.21		Caribou	Caribou
OSK-W-17-903	668.5	670.5	2.0	250	50.1	Vein	Underdog
including	*668.5*	*669.5*	*1.0*	*501*	*100*		
	778.0	780.0	2.0	73.6	40.2	FW3U	Underdog
including	*779.2*	*780.0*	*0.8*	*184*	*100*		
OSK-W-17-913	533.8	536.5	2.7	5.09		TBD	Caribou
including	*533.8*	*535.0*	*1.2*	*11.1*			
	791.0	793.0	2.0	13.5		Wolf HW	Caribou
including	*791.0*	*792.0*	*1.0*	*26.2*			
OSK-W-17-926	123.8	126.3	2.5	5.18		Mallard	Mallard
OSK-W-17-937	782.0	784.4	2.4	8.09		Wolf 2	Caribou
including	*783.0*	*783.8*	*0.8*	*22.4*			
OSK-W-17-969	210.6	213.0	2.4	10.1		Mallard	Mallard
including	*210.6*	*211.0*	*0.4*	*53.0*			
OSK-W-17-996	359.0	361.2	2.2	9.62		Mallard FW	Mallard
including	*359.7*	*360.4*	*0.7*	*24.1*			

OSK-W-17-999	91.5	94.0	2.5	5.18		TBD NEW	Caribou
including	*91.5*	*93.0*	*1.5*	*8.54*			
	400.7	403.9	3.2	3.68		Caribou ext.	Caribou
	432.9	436.4	3.5	5.79		Caribou ext.	Caribou
	459.4	462.0	2.6	5.19		Caribou ext.	Caribou
including	*460.0*	*461.0*	*1.0*	*10.4*			
OSK-W-17-1031	182.0	184.0	2.0	3.14		Drake	Mallard
including	*182.3*	*182.6*	*0.3*	*18.7*			
OSK-W-17-1051	303.0	305.1	2.1	7.85		TBD	
	846.0	848.0	2.0	27.8		FW3	Underdog
including	*847.0*	*848.0*	*1.0*	*53.8*			
OSK-W-17-1066	412.0	415.4	3.4	4.72		CS1 HW	Caribou
	458.6	460.9	2.3	4.48		CS1	Caribou
	514.0	517.0	3.0	7.98		CN1	Caribou
including	*515.6*	*516.1*	*0.5*	*43.1*			
OSK-W-17-1079	597.0	599.3	2.3	108	17.5	CN1 FW	Caribou
including	*597.6*	*598.0*	*0.4*	*618*	*100*		
OSK-W-17-1119	527.4	529.5	2.1	10.7		CN1	Caribou
including	*528.3*	*528.7*	*0.4*	*44.4*			
	534.3	540.4	6.1	3.08		CN1	Caribou
including	*539.2*	*540.4*	*1.2*	*9.48*			
OSK-W-17-1147-W1	1129.0	1131.0	2.0	7.52		Caribou ext.	Caribou
including	*1130.0*	*1130.5*	*0.5*	*29.2*			
OSK-W-17-1189	718.5	723.7	5.2	6.58		Caribou	Caribou
including	*718.5*	*719.0*	*0.5*	*49.8*			

Notes:

1. True widths are estimated at 65 - 80% of the reported core length interval. See *"Quality Control"* below.
2. Definitions: FW = Foot Wall; HW = Hanging Wall; TBD = To Be Determine.

Hole Number	Azimuth (°)	Dip (°)	Length (m)	UTM E	UTM N	Section
OSK-EAG-13-503	330	-56	918	451969	5434525	2075
OSK-OBM-16-601	332	-51	801	452476	5434677	2600
OSK-OBM-16-664	329	-55	810	452396	5434618	2500
OSK-W-17-664-W1	329	-55	996	452394	5434619	2500
OSK-W-17-820	332	-66	1106	452670	5434484	2675
OSK-W-17-854-W1	331	-53	844	452485	5434592	2550
OSK-W-17-855-W2	334	-64	1197	452309	5434384	2300
OSK-W-17-862-W2	332	-55	759	452683	5434577	2725
OSK-W-17-867	315	-50	1029	452800	5434550	2825
OSK-W-17-871	328	-54	533	452402	5434623	2500
OSK-W-17-903	329	-56	801	452539	5434692	2650
OSK-W-17-913	334	-52	954	452878	5434419	2825
OSK-W-17-926	329	-54	216	451981	5434828	2225
OSK-W-17-937	333	-57	935	452897	5434430	2850
OSK-W-17-969	328	-48	324	452200	5434867	2425
OSK-W-17-996	328	-56	393	452270	5434844	2500
OSK-W-17-999	330	-61	516	452861	5434813	3000
OSK-W-17-1031	336	-62	390	452296	5434867	2525
OSK-W-17-1051	138	-68	1248	452313	5435323	2775
OSK-W-17-1066	332	-56	585	452488	5434436	2475

OSK-W-17-1079	332	-58	615	452541 5434452 2550
OSK-W-17-1119	331	-55	609	452541 5434452 2550
OSK-W-17-1147-W1	335	-52	1212	453241 5434381 3125
OSK-W-17-1189	335	-47	1005	452945 5434561 2950

OSK-EAG-13-503 intersected 8.96 g/t Au over 2.4 metres (including 13.3 g/t Au over 1.4 metres). Mineralization is com semi-massive pyrite stringers and up to 3% disseminated pyrite within a sericitized felsic intrusion. The interval occurs under the Red Dog intrusion on section 2075E.

OSK-OBM-16-601 intersected 5.26 g/t Au over 2.8 metres (including 20.7 g/t Au over 0.7 metres). Mineralization is com 1% disseminated pyrite within a strongly chloritized andesite. The interval is 60 metres north-west of and parallel to FW with FW4 projections.

OSK-OBM-16-664 intersected 12.8 g/t Au over 3.0 metres in FW3U HW. Mineralization is composed of trace pyrite stri small quartz-tourmaline-pyrite veins hosted in rhyolite.

OSK-W-17-664-W1 intersected 4.89 g/t Au over 2.4 metres (including 12.8 g/t Au over 0.9 metres). Mineralization is co 2% pyrite stringers within a strongly sericitized andesite.

OSK-W-17-820 intersected 31.4 g/t Au over 6.0 metres uncut (including 83.0 g/t Au over 2.0 metres). Mineralization oc strong silica, chlorite and fuchsite alteration in a sheared andesite with up to 25% pyrite clusters and 15% interstitial spl interval correlates to CS1 Zone.

OSK-W-17-854-W1 intersected two intervals within the Wolf FW: 7.97 g/t Au over 2.4 metres (including 15.1 g/t Au ove metres) and 5.18 g/t Au over 3.0 metres. Both intervals occur at the sericite, chlorite and silica altered contact between porphyritic intrusion and andesite. Mineralization is composed of up to 20% disseminated pyrite, up to 3% pyrite stringe quartz-tourmaline ptygmatic veins.

OSK-W-17-855-W2 intersected two intervals: 11.1 g/t Au over 2.1 metres (including 20.8 g/t Au over 1.1 metres) in FW g/t over 2.0 metres (including 17.4 g/t Au over 1.0 metre) in FW2. Both intervals contain up to 1% disseminated pyrite a stringers within and at the contacts along felsic porphyritic dikes.

OSK-W-17-862-W2 intersected 13.4 g/t Au over 3.0 metres (including 38.9 g/t Au over 1.0 metre) in the Wolf Footwall. mineralization is composed of semi-massive pyrite within a strongly sericitized andesite.

OSK-W-17-867 intersected 36.6 g/t Au over 3.4 metres uncut, (including 123 g/t Au over 1.0 metre) in the Wolf footwall pyrite mineralization is hosted in weak sericite alteration at the contact between a felsic porphyritic dike and andesite. T quartz-carbonate veins occur along the contact.

OSK-W-17-871. Intersected a new zone returning 5.39 g/t Au over 2.6 metres (including 15.2 g/t Au over 0.9 metres). T is 70 metres south-east of the main Caribou Corridor. Mineralization is composed of disseminated pyrite at the contact felsic porphyritic dike and a sericitized andesite. A second intersection returned 6.21 g/t Au over 2.4 metres in the main Zone. Mineralization is composed of up to 7% pyrite stringers and 3% disseminated pyrite hosted in a strongly sericitize

OSK-W-17-903 intersected two intervals. The first interval returned 250 g/t Au over 2.0 metres uncut (including 501 g/t metres) in a tension quartz vein within the Red Dog intrusion. The second interval returned 73.6 g/t Au over 2.0 metres (including 184 g/t Au over 0.8 metres) in FW3. Mineralization is composed of up to 2% pyrite stringers and disseminate local quartz-carbonate veins within a chloritized andesite.

OSK-W-17-913 intersected two intervals: 5.09 g/t Au over 2.7 metres (including 11.1 g/t Au over 1.2 metres) and 13.5 g 2.0 metres (including 26.2 g/t Au over 1.0 metre). The first interval is composed of disseminated pyrite at the contact be rhyolite and the andesite, 55 metres south-east of the main Caribou Corridor. The second interval is within the Wolf har and is composed of disseminated pyrite and pyrite stringers within a large quartz eyes porphyritic felsic intrusion.

OSK-W-17-926 intersected 5.18 g/t Au over 2.5 metres in Mallard. Mineralization is in a strongly sericitized andesite co

disseminated pyrite, pyrite stringers and local quartz-tourmaline veins. Mineralization follows a porphyritic felsic dike co extends the Mallard Zone 35 metres north-east from OSK-W-17-919 (4.32 g/t Au over 2.5 metres previously reported A 2017).

OSK-W-17-937 intersected 8.09 g/t Au over 2.4 metres (including 22.4 g/t Au over 0.8 metres). Mineralization occurs a between a felsic intrusion and a sericitized rhyolite, with 15% pyrite stringers. The interval correlates to Wolf 2.

OSK-W-17-969 intersected Mallard returning 10.1 g/t Au over 2.4 metres (including 53.0 g/t Au over 0.4 metres). Miner within a sericitized andesite as 2% pyrite and up to 55% pyrite stringers. Interval is located 60 metres above the OSK-W (12.0 g/t Au over 2.2 metres, previously reported September 20, 2017).

OSK-W-17-996 intersected 9.62 g/t Au over 2.2 metres (including 24.1 g/t Au over 0.7 metres). The interval correlates t Mallard footwall and is composed of 4% disseminated pyrite, 5% crustiform veins and 1% ptygmatic tourmaline veins, c along the Red Dog contact within a moderate sericite altered andesite. It extends the Mallard zone 60 metres northeast OSK-W-17-977 (12.0 g/t Au over 2.2 metres, previously reported September 20, 2017).

OSK-W-17-999 intersected four interval: the first returned 5.18 g/t Au over 2.5 metres (including 8.54 g/t Au over 1.5 m metres south-east of the main Caribou Corridor, mineralization within a fragmental felsic intrusion, with disseminated py correlating with strong sericite alteration. The three other intervals are in the north-east extension of the Caribou Corrid metres north-east of OBM-16-580 and OBM-16-701 (4.30 g/t Au over 5.4 metres and 4.82 g/t Au over 7.0 metres, resp reported February 18 and August 25, 2016). The three intervals returned 3.68 g/t Au over 3.2 metres; 5.79 g/t Au over and 5.19 g/t Au over 2.6 metres (including 10.4 g/t Au over 1.0 metre). Mineralization occurs in a strongly sericitized an andesite with up to 40% pyrite stringers.

OSK-W-17-1031 intersected 3.14 g/t Au over 2.0 metres (including 18.7 g/t Au over 0.3 metres). Mineralization includes stringers and 1% disseminated pyrite within a strongly silicified and sericitized andesite. This interval extends the Drake metres northeast of OSK-W-17-969 (7.39 g/t Au over 3.3 metres, previously reported August 24, 2017).

OSK-W-17-1051 intersected a new mineralized contact between a felsic intrusion and the andesite, returning 7.85 g/t A metres. The interval is 160 metres north-west of the Mallard Corridor, along strike of the F-17 and F-51 zones. OSK-W- also intersected FW3 returning 27.8 g/t Au over 2.0 metres (including 53.8 g/t Au over 1.0 metre). Local visible gold is f pervasive silica alteration and within a large quartz eyes porphyritic dike, as 8% disseminated pyrite and 4% pyrite-tour stringers.

OSK-W-17-1066 intersected three intervals: 4.72 g/t Au over 3.4 metres; 4.48 g/t Au over 2.3 metres; and 7.98 g/t Au o metres (including 43.1 g/t Au over 0.5 metres). The first two zones correlate to CS1 with up to 20% pyrite stringers in a rhyolite and strongly sericitized andesite. The third interval correlates to CN1 and includes up to 10% pyrite clusters alo contact between a sericitized andesite and a large quartz eyes porphyritic dike.

OSK-W-17-1079 intersected 108 g/t Au over 2.3 metres uncut (including 618 g/t Au over 0.4 metres). Mineralization is i sericitized gabbro with local visible gold and 1% pyrite. The interval correlates to CN1, just above the Red Dog contact.

OSK-W-17-1119 intersected two intervals in CN1: 10.7 g/t Au over 2.1 metres (including 44.4 g/t Au over 0.4 metres) a Au over 6.1 metres (including 9.48 g/t Au over 1.2 metres). Mineralization is composed of up to 20% pyrite stringers an disseminated pyrite within a strongly sericitized andesite.

OSK-W-17-1147-W1 intersected 7.52 g/t Au over 2.0 metres (including 29.2 g/t Au over 0.5 metres) at the contact betw andesite and a porphyritic felsic dike with up to 5% disseminated pyrite and 1% pyrite stringers. The interval is in the no extension of the Caribou Corridor.

OSK-W-17-1189 intersected 6.58 g/t Au over 5.2 metres (including 49.8 g/t Au over 0.5 metres). Mineralization is comp disseminated pyrite, 2% pyrite clusters, in a strongly sericitized andesite in contact with a felsic intrusion. The interval is north-east extension of the Caribou Corridor.

Qualified Person

The scientific and technical content of this news release has been reviewed, prepared and approved by Mr. Louis Grenier, M.Sc.A., P.Geo. (OGQ 800), Project Manager of the Windfall Lake gold project, who is a "Qualified Person" as defined by National Instrument 43-101 - Standards of Disclosure for Mineral Projects ("NI 43-101").

Quality Control and Reporting Protocols

True widths determinations are estimated at 65-80% of the reported core length intervals for most of the zones. Assays except where indicated. Intercepts occur within geological confines of major zones but have not been correlated to indi domains at this time. Reported intervals include minimum weighted averages of 3.0 g/t Au diluted over core lengths of a metres. All NQ core assays reported were obtained by either 1-kilogram screen fire assay or standard 50-gram fire-ass finish or gravimetric finish at ALS Laboratories in Val d'Or, Québec, Thunder Bay and Sudbury, Ontario or Vancouver, B Colombia or Bureau Veritas in Timmins, Ontario. The 1-kilogram screen assay method is selected by the geologist whe contain coarse gold or present a higher percentage of pyrite than surrounding intervals. Selected samples are also ana multi-elements, including silver, using an Aqua Regia-ICP-AES method at ALS Laboratories. Drill program design, Qua Assurance/Quality Control ("QA/QC") and interpretation of results is performed by qualified persons employing a QA/Q consistent with NI 43-101 and industry best practices. Standards and blanks are included with every 20 samples for QA purposes by the Corporation as well as the lab. Approximately 5% of sample pulps are sent to secondary laboratories f assay.

About the Windfall Lake Gold Deposit

The Windfall Lake gold deposit is located between Val-d'Or and Chibougamau in the Abitibi region of Québec, Canada. mineral resource defined by the previous operator comprises 2,762,000 tonnes at 8.42 g/t Au (748.000 ounces) in the i category and 3,512,000 tonnes at 7.62 g/t Au (860,000 ounces) in the inferred category (sourced from a technical repo June 10, 2015 entitled "Preliminary Economic Assessment of the Windfall Lake Gold Property, Québec, Canada" with a date of April 28, 2015, prepared in accordance with NI 43-101). The Windfall Lake gold deposit is currently one of the h resource-stage gold projects in Canada. The bulk of the mineralization occurs in the Main Zone, a southwest/northeast zone of stacked mineralized lenses, measuring approximately 600 metres wide and at least 1.400 metres long. The dep defined from surface to a depth of 500 metres, and remains open along strike and at depth. Mineralization has been ide 30 metres from surface in some areas and as deep as 870 metres in others, with significant potential to extend mineral and down-plunge and at depth.

About Osisko Mining Inc.

Osisko is a mineral exploration company focused on the acquisition, exploration, and development of precious metal re properties in Canada. Osisko holds a 100% in the high-grade Windfall Lake gold deposit located between Val-d'Or and Chibougamau in Québec and holds a 100% undivided interest in a large area of claims in the surrounding Urban Barry nearby Quevillon area (over 3,300 square kilometres), a 100% interest in the Marban project located in the heart of Que prolific Abitibi gold mining district, and properties in the Larder Lake Mining Division in northeast Ontario, including the J Garrcon deposits on the Garrison property, the Buffonta past producing mine and the Gold Pike mine property. The Co also holds interests and options in a number of additional properties in northern Quebec and Ontario. Osisko continues financed with approximately $250 million in cash and investments (pro-forma recently announced financing).

Cautionary Note Regarding Forward-Looking Information

This news release contains "forward-looking information" within the meaning of the applicable Canadian securities legis based on expectations, estimates, projections and interpretations as at the date of this news release. The information i release about the Windfall Lake gold deposit being one of the highest grade resource-stage gold projects in Canada; th 800,000 metre drill program; the significance of new results from the ongoing drill program at the Windfall Lake gold pro significance of assay results presented in this press release; the type of drilling included in the drill program (definition d expansion drilling to the NE of the main deposit and adjacent Lynx deposit, and exploration drilling on the greater depos Urban-Barry project area); potential mineralization; the potential to extend mineralization up and down-plunge and at de Windfall Lake gold deposit; the ability to realize upon any mineralization in a manner that is economic; the ability to com proposed exploration activities and the results of such activities, including the continuity or extension of any mineralizat other information herein that is not a historical fact may be "forward-looking information". Any statement that involves di with respect to predictions, expectations, interpretations, beliefs, plans, projections, objectives, assumptions, future eve performance (often but not always using phrases such as "expects", or "does not expect", "is expected", "interpreted", "management's view", "anticipates" or "does not anticipate", "plans", "budget", "scheduled", "forecasts", "estimates", "be

"intends" or variations of such words and phrases or stating that certain actions, events or results "may" or "could", "wo
or "will" be taken to occur or be achieved) are not statements of historical fact and may be forward-looking information a
intended to identify forward-looking information.
This forward-looking information is based on reasonable assumptions and estimates of management of the Corporation
it was made, involves known and unknown risks, uncertainties and other factors which may cause the actual results, pe
or achievements of Osisko to be materially different from any future results, performance or achievements expressed o
such forward-looking information. Such factors include, among others, risks relating to the ability of exploration activities
drill results) to accurately predict mineralization; errors in management's geological modelling; the ability of Osisko to co
further exploration activities, including drilling; property interests in the Windfall Lake gold project; the ability of the Corp
obtain required approvals and complete transactions on terms announced; the results of exploration activities; risks rela
mining activities; the global economic climate; metal prices; dilution; environmental risks; and community and non-gove
actions. Although the forward-looking information contained in this news release is based upon what management belie
believed at the time, to be reasonable assumptions. Osisko cannot assure shareholders and prospective purchasers of
the Corporation that actual results will be consistent with such forward-looking information, as there may be other factor
results not to be as anticipated, estimated or intended, and neither Osisko nor any other person assumes responsibility
accuracy and completeness of any such forward-looking information, Osisko does not undertake, and assumes no oblig
update or revise any such forward-looking statements or forward-looking information contained herein to reflect new ev
circumstances, except as may be required by law.

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