Osisko Infill Drilling Returns More High Grade Values In Lynx

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TORONTO, April 14, 2020 - Osisko Mining Inc. (OSK:TSX. "Osisko" or the "Corporation") is pleased to provide new infill drilling results from the definition drill program at its 100% owned Windfall gold project located in the Abitibi greenstone belt, Urban Township, Eeyou Istchee James Bay, Qu?bec.

Operations remain temporarily suspended in respect of the Government of Qu?bec’s closure of all non-essential business in effort to contain COVID-19. Osisko is ready to resume drilling activities at Windfall once the temporary suspension is lifted. Drilling will remain focused on the Lynx deposit, exploration on the main mineralized zones, and deep exploration in the central areas of the mineralized system. Additional results from pre-shut down drilling will continue to be released as they become available in the coming weeks. These analytical results are from laboratories outside Qu?bec that have continued sample processing operations.

Significant new analytical results from Lynx and Triple Lynx are presented below, including 62 intercepts in 27 drill holes and 8 wedges.

Selected high-grade intercepts include: 153 g/t Au over 3.4 metres in WST-19-0234; 108 g/t Au over 2.2 metres in WST-20-0372; 99.2 g/t Au over 2.0 metres in WST-20-0286; 91.3 g/t Au over 2.0 metres in OSK-W-20-2139-W6 and 51.6 g/t Au over 2.8 metres in OSK-W-20-2100-W6. Maps showing hole locations and full analytical results are available at www.osiskomining.com.

Hole No.	From (m)	To (m)	Interval (m)	Au (g/t) uncut	Au (g/t) cut to 100 g/t	Zone	Corridor
OSK-W-18-1639	875.0	877.0	2.0	23.7		Lynx_350	Lynx
including	875.0	876.0	1.0	45.3			
OSK-W-20-1072-W5	867.1	869.1	2.0	54.1	18.0	Lynx_330	Lynx
including	868.8	869.1	0.3	341	100		
	884.0	886.0	2.0	30.8		Lynx_340	Lynx
including	884.0	885.0	1.0	56.5			
	1079.5	1081.5	2.0	3.17		Lynx 4	Lynx
including	1080.4	1080.7	0.3	19.4			
OSK-W-20-1272-W6	789.2	792.0	2.8	8.13		Lynx_371	Lynx
including	790.1	790.8	0.7	22.2			
	797.0	799.1	2.1	7.56		Lynx_371	Lynx
	804.0	806.0	2.0	4.66		Lynx_361	Lynx
	809.6	812.0	2.4	5.94		Lynx_361	Lynx
	818.1	821.0	2.9	4.82		Lynx_361	Lynx
	823.0	825.0	2.0	3.28		Lynx_361	Lynx
	831.9	835.4	3.5	5.94		Lynx_361	Lynx
including	835.0	835.4	0.4	28.0			
	853.0	856.0	3.0	4.36		Lynx_368	Lynx
	859.0	861.0	2.0	3.67		Lynx_368	Lynx
	901.0	903.0	2.0	18.3		Lynx_364	Lynx
including	902.0	903.0	1.0	34.6			

OSK-W-20-1731-W6	542.4	545.0	2.6	39.3	35.9	Lynx_310 Lynx
including	543.0	543.9	0.9	110	100	
	577.4	580.2	2.8	11.5		Lynx_305 Lynx
including	577.4	577.7	0.3	59.9		
	1000.5	1003.0	2.5	4.90		Lynx_327 Lynx
OSK-W-20-2100-W6	927.5	930.3	2.8	51.6	34.3	Lynx_361 Lynx
including	928.9	929.2	0.3	262	100	
OSK-W-20-2100-W9	931.0	933.0	2.0	4.38		Lynx_361 Lynx
OSK-W-20-2123-W4	1112.0	1114.0	2.0	3.13		Lynx_368 Lynx
	1168.0	1173.0	5.0	8.48		Lynx_364 Lynx
	1184.0	1186.5	2.5	7.70		Lynx_370 Lynx
OSK-W-20-2139-W6	874.8	876.8	2.0	91.3	45.7	Lynx_361 Lynx
including	876.0	876.4	0.4	328	100	
OSK-W-20-2202-W2	969.6	972.0	2.4	14.2	13.3	Lynx_363 Lynx
including	970.1	970.4	0.3	107	100	
OSK-W-20-2243	789.6	792.0	2.4	19.4	18.4	Lynx_361 Lynx
including	790.2	790.5	0.3	108	100	
	795.0	797.0	2.0	7.13		Lynx_361 Lynx
	800.1	802.4	2.3	5.01		Lynx_361 Triple Lynx
WST-19-0234	69.2	72.6	3.4	153	17.8	Lynx_311 Lynx
Including	69.2	69.5	0.3	1630	100	
WST-19-0239	66.6	69.1	2.5	9.88		Lynx_311 Lynx
including	68.5	69.1	0.6	37.9		
WST-19-0240	74.4	77.0	2.6	9.52		Lynx_308 Lynx
including	74.4	74.8	0.4	56.2		
WST-20-0283	65.6	68.0	2.4	6.95		Lynx_311 Lynx
including	66.3	66.8	0.5	24.8		
WST-20-0285	113.9	116.0	2.1	3.93		Lynx_320 Lynx
including	114.8	115.3	0.5	15.3		
	118.0	120.0	2.0	3.35		Lynx_319 Lynx
including	118.6	119.2	0.6	10.9		
WST-20-0286	54.3	56.3	2.0	99.2	55.1	Lynx_311 Lynx
including	55.7	56.3	0.6	247	100	
WST-20-0294	67.9	70.0	2.1	19.7		Lynx_311 Lynx
including	67.9	68.8	0.9	45.5		
WST-20-0295	63.6	65.6	2.0	27.0	21.0	Lynx_311 Lynx
including	64.9	65.3	0.4	130	100	
WST-20-0302	74.0	76.2	2.2	5.09		Lynx_311 Lynx
including	75.6	76.2	0.6	17.7		
WST-20-0322	68.8	71.0	2.2	24.6	13.8	Lynx_323 Lynx
including	68.8	69.1	0.3	179	100	
	129.5	131.5	2.0	12.3		Lynx_306 Lynx
including	130.6	131.5	0.9	26.0		
WST-20-0337	68.0	70.1	2.1	6.21		Lynx_323 Lynx
including	69.4	70.1	0.7	12.6		
	90.0	92.5	2.5	6.10		Lynx_304 Lynx
including	90.0	90.3	0.3	38.7		
WST-20-0340	78.5	80.6	2.1	8.07		Lynx_323 Lynx
including	78.5	79.2	0.7	23.9		
	87.7	89.7	2.0	69.2	62.2	Lynx_304 Lynx
including	88.3	89.1	0.8	118	100	
	111.0	113.0	2.0	4.40		Lynx_359 Lynx

WST-20-0359	107.0	109.3	2.3	3.04		Lynx_304 Lynx
WST-20-0362	119.0	121.0	2.0	3.45		Lynx_359 Lynx
WST-20-0363	68.9	71.0	2.1	4.49		Lynx_311 Lynx
	115.5	118.0	2.5	3.16		Lynx_304 Lynx
including	116.3	116.7	0.4	17.9		
	122.0	124.5	2.5	16.3		Lynx_359 Lynx
including	123.0	123.8	0.8	50.2		
WST-20-0364	110.0	112.0	2.0	7.37		Lynx_304 Lynx
including	111.3	111.6	0.3	17.9		
WST-20-0365	120.7	123.0	2.3	3.44		Lynx_359 Lynx
including	122.7	123.0	0.3	14.6		
WST-20-0371	136.8	138.9	2.1	13.7		Lynx_304 Lynx
including	138.3	138.9	0.6	43.9		
WST-20-0372	126.5	128.5	2.0	5.67		Lynx_304 Lynx
including	127.7	128.0	0.3	31.4		
	130.0	132.7	2.7	23.2	17.5	Lynx_304 Lynx
including	132.3	132.7	0.4	139	100	
	205.6	207.8	2.2	108	31.7	Lynx_322 Lynx
including	206.6	207.2	0.6	378	100	
WST-20-0378	146.0	148.3	2.3	20.6		Lynx_304 Lynx
including	147.0	147.7	0.7	45.9		
	200.0	202.2	2.2	18.6		Lynx_322 Lynx
including	200.5	200.9	0.4	95.3		
WST-20-0379A	132.0	134.4	2.4	4.54		Lynx_304 Lynx
including	133.5	133.9	0.4	18.8		
WST-20-0381	54.1	56.4	2.3	38.1	35.2	Lynx_311 Lynx
including	54.1	54.9	0.8	109	100	
WST-20-0382	52.1	54.4	2.3	6.08		Lynx_309 Lynx
WST-20-0383	50.0	52.0	2.0	3.03		Lynx_309 Lynx
including	50.4	51.3	0.9	6.69		
WST-20-0390	111.0	113.8	2.8	22.9	18.2	Lynx_304 Lynx
including	112.1	112.6	0.5	127	100	

Notes: True widths are estimated at 55 – 80% of the reported core length interval. See *"Quality Control and Reporting Protocols"* below.

Drill hole location

Hole Number	Azimuth (?)	Dip (?)	Length (m)	UTM E	UTM N	Elevation	Section
OSK-W-18-1639	142	-53	1164	453266	5435397	405	3625
OSK-W-20-1072-W5	145	-57	1262	453612	5435532	399	4000
OSK-W-20-1272-W6	127	-60	1035	453246	5435535	412	3675
OSK-W-20-1731-W6	139	-51	1068	453383	5435518	409	3800
OSK-W-20-2100-W6	122	-47	1260	453093	5435726	419	3650
OSK-W-20-2100-W9	122	-47	1074	453093	5435726	419	3650
OSK-W-20-2123-W4	126	-57	1236	453231	5435774	400	3775
OSK-W-20-2139-W6	115	-52	1089	452980	5435549	420	3450
OSK-W-20-2202-W2	127	-54	1146	452999	5435606	424	3500
OSK-W-20-2243	122	-54	815	453087	5435527	418	3550
WST-19-0234	150	17	157	453216	5435114	224	3450

WST-19-0239	173	1	91	453215 5435114 223	3450
WST-19-0240	135	-3	178	453217 5435115 223	3450
WST-20-0283	165	25	214	453228 5435126 137	3475
WST-20-0285	161	25	211	453228 5435126 137	3475
WST-20-0286	153	16	85	453228 5435126 136	3475
WST-20-0294	131	13	96	453228 5435126 135	3475
WST-20-0295	131	-7	166	453229 5435127 135	3475
WST-20-0302	112	-30	120	453229 5435126 135	3475
WST-20-0322	125	6	154	453292 5435140 163	3525
WST-20-0337	145	-6	203	453411 5435230 114	3675
WST-20-0340	147	-26	135	453410 5435229 114	3675
WST-20-0359	151	-17	145	453450 5435264 115	3725
WST-20-0362	156	-14	148	453450 5435264 115	3725
WST-20-0363	157	-30	154	453450 5435264 115	3725
WST-20-0364	157	-25	282	453450 5435264 115	3725
WST-20-0365	158	-8	142	453450 5435264 116	3725
WST-20-0371	145	-47	163	453493 5435287 116	3775
WST-20-0372	148	-42	451	453493 5435287 116	3775
WST-20-0378	144	-50	253	453493 5435287 116	3775
WST-20-0379A	143	-41	277	453493 5435287 116	3775
WST-20-0381	145	9	82	453228 5435126 136	3475
WST-20-0382	147	-3	158	453228 5435126 135	3475
WST-20-0383	155	-17	92	453227 5435125 135	3475
WST-20-0390	158	-35	175	453450 5435264 115	3725

Lynx Zone
Mineralization in the Lynx zone is typically characterized by trace to 15% disseminated, clustered or stringer pyrite (locally up to 70%), local visible gold, trace to 3% sphalerite, chalcopyrite, and galena, local ptygmatic pyrite-tourmaline or tourmaline veinlets, quartz-carbonate veins (locally crustiform), smoky quartz veins and veinlets, and local chlorite-calcite or quartz-carbonate chlorite fracture filling. Alteration consists of weak to strong sericite, weak to strong silica with areas of local pervasive silica flooding, weak to moderate chlorite and carbonate, and locally weak to strong fuchsite. Mineralization is hosted in or at the contacts of felsic porphyritic or fragmental intrusions with rhyolites, andesites (locally bleached), or gabbros.

Triple Lynx Zone
Mineralization in the Triple Lynx zone is typically characterized by trace to 30% disseminated, clustered or stringer pyrite, local visible gold, trace sphalerite, chalcopyrite, and galena, local quartz-tourmaline veins (up to 20%), local ptygmatic tourmaline veins, and local smoky quartz and quartz-carbonate veins. Alteration consists of weak to strong sericite, weak to strong silica with areas of local pervasive silica flooding, weak to moderate chlorite and carbonate, and locally weak to strong fuchsite. Mineralization is hosted in or at the contacts of felsic porphyritic dikes with rhyolites (locally bleached) or gabbros.

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 Osisko's 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 width determination is estimated at 55-80% of the reported core length interval for the zone. Assays are uncut except where indicated. Intercepts occur within geological confines of major zones but have not been correlated to individual vein domains at this time. Reported intervals include minimum weighted averages of 3.0 g/t Au diluted over core lengths of at least 2.0 metres. All NQ core assays reported were obtained by either 1-kilogram screen fire assay or standard 50-gram fire-assaying-AA finish or gravimetric finish at (i)

ALS Laboratories in Val d'Or, Qu?bec, Thunder Bay, Ontario, Sudbury, Ontario or Vancouver, British Colombia, or (ii) Bureau Veritas in Timmins, Ontario. The 1-kilogram screen assay method is selected by the geologist when samples contain coarse gold or present a higher percentage of pyrite than surrounding intervals. Selected samples are also analyzed for multi-elements, including silver, using an Aqua Regia-ICP-AES method at ALS Laboratories. Drill program design, Quality Assurance/Quality Control ("QA/QC") and interpretation of results is performed by qualified persons employing a QA/QC program consistent with NI 43-101 and industry best practices. Standards and blanks are included with every 20 samples for QA/QC purposes by the Corporation as well as the lab. Approximately 5% of sample pulps are sent to secondary laboratories for check assay.

About the Windfall Gold Deposit

The Windfall gold deposit is located between Val-d'Or and Chibougamau in Eeyou Istchee James Bay, Qu?bec, Canada. The mineral resource defined by Osisko, as disclosed in the news release dated February 19, 2020, and assuming a cut-off grade of 3.5 g/t, comprises 4,127,000 tonnes at 9.1 g/t Au (1,206,000 ounces) in the indicated mineral resource category and 14,532,000 tonnes at 8.40 g/t Au (3,938,000 ounces) in the inferred mineral resource category. The key assumptions, parameters and methods used to estimate the mineral resource estimate disclosed in the February 19,2020 news release are further described in the full technical report in accordance with NI 43-101, available on SEDAR (www.sedar.com) under the Corporation's issuer profile. The Windfall gold deposit is currently one of the highest-grade resource-stage gold projects in Canada and has world-class scale. Mineralization occurs in three principal zones: Lynx, Main Zone, and Underdog. Mineralization is generally comprised of sub-vertical zones following intrusive porphyry contacts plunging to the northeast. The deposit is well defined from surface to a depth of 1,200 metres and remains open along strike and at depth. Mineralization has been identified 30 metres from surface in some areas and as deep as 2,000 metres in others, with significant potential to extend mineralization 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 resource properties in Canada. Osisko holds a 100% interest in the high-grade Windfall gold deposit located between Val-d'Or and Chibougamau in Qu?bec and holds a 100% undivided interest in a large area of claims in the surrounding Urban Barry area and nearby Qu?villon area (over 2,700 square kilometres).

Cautionary Note Regarding Forward-Looking Information

This news release contains "forward-looking information" within the meaning of the applicable Canadian securities legislation that is based on expectations, estimates, projections and interpretations as at the date of this news release. Any statement that involves predictions, expectations, interpretations, beliefs, plans, projections, objectives, assumptions, future events or 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", "potential", "feasibility", "believes" or "intends" or variations of such words and phrases or stating that certain actions, events or results "may" or "could", "would", "might" or "will" be taken to occur or be achieved) are not statements of historical fact and may be forward-looking information and are intended to identify forward-looking information. This news release contains the forward-looking information pertaining to, among other things: the Windfall gold deposit being one of the highest-grade resource-stage gold projects in Canada and having world-class scale; the key assumptions, parameters and methods used to estimate the mineral resource estimate; the prospects, if any, of the Windfall gold deposit; the timing and ability of Osisko, if at all, to publish a feasibility study for the Windfall gold deposit; the projected capital expenditures of mining activities at the Windfall gold deposit; upgrading an inferred mineral resource to a measured mineral resource or indicated mineral resource category; future drilling at the Windfall gold deposit; the deposit remaining open along strike to the northeast and at depth; significant high-grade zones (Lynx 4, Triple Lynx) remaining open down plunge; the plunge potential of the Lynx and Underdog zones; the significance of historic exploration activities and results. Such factors include, among others, risks relating to the ability of exploration activities (including drill results) to accurately predict mineralization; errors in management's geological modelling; the ability of Osisko to complete further exploration activities, including drilling; property and royalty interests in the Windfall gold deposit; the ability of the Corporation to obtain required approvals; the results of exploration activities; risks relating to mining activities; the global economic climate; metal prices; dilution; environmental risks; and community and non-governmental actions. Although the forward-looking information contained in this news release is based upon what management believes, or believed at the time, to be reasonable assumptions, Osisko cannot assure shareholders and prospective purchasers of securities of the Corporation that actual results will be consistent with such forward-looking information, as there may be other factors that cause results not to be as anticipated, estimated or intended, and neither Osisko nor any other person assumes responsibility for the accuracy and completeness of any such forward-looking information. Osisko does not undertake, and assumes no obligation, to update or revise any such

forward-looking statements or forward-looking information contained herein to reflect new events or circumstances, except as may be required by law.

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