Osisko Windfall Infills and Expands With More High-Grade

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TORONTO, May 04, 2022 - Osisko Mining Inc. (OSK:TSX. "Osisko" or the "Corporation") is pleased to provide new analytical results from the ongoing drill program at its 100% owned Windfall gold project located in the Abitibi greenstone belt, Urban Township, Eeyou Istchee James Bay, Qu?bec.

Significant new analytical results presented below include 43 intercepts in 17 underground drill holes and 5 wedges from surface. The infill intercepts are located inside defined January 2022 mineral resource estimate ("MRE") blocks (*see Osisko news release dated January 10, 2022*). The expansion intercepts are located outside the January 2022 MRE blocks and either expand resource wireframes or are in a defined zone or corridor but do not yet correlate to a specific wireframe.

Osisko Chief Executive Officer John Burzynski commented: "May the 4th be with you. Today's results continue to strengthen our confidence in the high-grade nature of Windfall. While the focus for the feasibility study remains on the Lynx areas, other areas such as Mallard, also continue to infill nicely and contribute high-grade ounces to the resource."

Selected high-grade intercepts include: 243 g/t Au over 2.8 metres in WST-22-1016, 20.6 g/t Au over 9.5 metres in WST-22-1006-W1; 16.3 g/t Au over 7.9 metres in OSK-W-22-2587-W3; 48.4 g/t Au over 2.1 metres in WST-22-1003A; 37.9 g/t Au over 2.1 metres in WST-22-1010; 36.8 g/t Au over 2.1 metres in WST-21-0940; 38.2 g/t Au over 2.0 metres in OSK-W-21-2601-W2, 37.1 g/t Au over 2.0 meters in WST-21-0991, and 36.1 g/t Au over 2.0 metres in WST-22-1006-W2. Maps showing hole locations and full analytical results are available at www.osiskomining.com. Maps: Long Section_In EN 20220504, Long Section_Ex EN 20220504, PR_EN_20220504_Surface, PR_EN_20220504_UG.

Infill Drilling

Hole No.	From (m)	To (m)	Interval (m)	Au (g/t) uncut	Au (g/t) cut to 100 g/t	Zone	Corridor
OSK-W-21-2605-W1	1352.7	1355.1	2.4	7.53		LX4_3445	Lynx 4
including	1352.7	1353.0	0.3	19.4			
OSK-W-22-2587-W3	1047.6	1055.5	7.9	16.3		TLX_3158	Lynx HW
including	1052.0	1053.0	1.0	39.9			
WST-21-0708	522.3	524.4	2.1	22.9		LX4_3401	Lynx 4
including	522.3	523.0	0.7	68.4			
WST-21-0892	70.0	72.1	2.1	8.41		LXM_3336	Lynx
	111.1	113.6	2.5	15.7		LXM_3359	Lynx
including	112.8	113.3	0.5	48.5			
WST-21-0926	61.9	64.0	2.1	18.9		LXM_3336	Lynx
including	61.9	62.4	0.5	74.2			
WST-21-0938	96.0	98.0	2.0	8.39		LXM_3371	Lynx
including	96.3	96.7	0.4	41.4			
WST-21-0939A	60.3	62.5	2.2	3.81		LXM_3336	Lynx
including	60.3	60.7	0.4	17.4			
WST-21-0939A	96.5	99.0	2.5	11.7		LXM_3371	Lynx
including	97.4	98.1	0.7	41.5			
WST-21-0942	95.0	97.0	2.0	28.7	15.6	LXM_3371	Lynx
including	95.5	95.8	0.3	188	100		

WST-21-0991	173.0	175.0	2.0	37.1	30.0	LHW_3206	Lynx
including	174.4	175.0	0.6	124	100		
WST-22-1006-W1	505.5	515.0	9.5	20.6	14.8		
including	505.5	505.8	0.3	89.6		LX4_3404	Lynx 4
and	507.1	507.5	0.4	240	100		
and	509.1	509.4	0.3	92.8			
	560.9	563.0	2.1	8.21		LX4_3430	Lynx 4
including	560.9	561.3	0.4	41.2			
WST-22-1006-W2	519.4	521.4	2.0	4.30		LX4_3404	Lynx 4
including	519.4	519.8	0.4	17.6			
	523.3	527.0	3.7	3.93		LX4_3404	Lynx 4
including	523.3	524.1	0.8	8.29			
	582.0	584.0	2.0	36.1	30.4	LX4_3430	Lynx 4
including	582.0	582.6	0.6	119	100		
WST-22-1003A	78.0	80.1	2.1	48.4	33.5	MAL_5219	Mallard
including	78.5	79.2	0.7	145	100		
WST-22-1010	400.0	402.2	2.2	3.62		LX4_3410	Lynx 4
	406.0	408.0	2.0	4.35		LX4_3440	Lynx 4
WST-22-1012	529.0	531.3	2.3	12.5		LX4_3450	Lynx 4
including	529.6	530.4	0.8	35.5			
WST-22-1013	147.3	152.5	5.2	9.62		TLX_3161	Triple Lynx
including	151.2	151.7	0.5	24.6			
	206.5	212.8	6.3	3.54			
including	206.5	207.1	0.6	12.5		TLX_3164	Triple Lynx
and	212.1	212.8	0.7	9.90			
WST-22-1014	463.1	465.1	2.0	4.56		LX4_3430	Lynx 4
including	463.6	463.9	0.3	21.4			
	489.7	493.3	3.6	4.30		LX4_3461	Lynx 4
	516.6	519.0	2.4	9.53		LX4_3443	Lynx 4
including	516.6	517.0	0.4	25.6			

Notes: True widths are estimated at 55 - 80% of the reported core length interval. See *"Quality Control and Reporting Protocols"* below. MAL = Mallard, LXM = Lynx Main, LX4 = Lynx 4, LHW = Lynx Hanging wall, and TLX = Triple Lynx.

Expansion Drilling

Hole No.	From (m)	To (m)	Interval (m)	Au (g/t) uncut	Au (g/t) cut to 100 g/t	Zone	Corridor
OSK-W-21-2601-W2	1296.2	1298.2	2.0	38.2		LX4	Lynx 4
including	1296.6	1297.2	0.6	100			
OSK-W-22-2605-W2	1329.8	1335.0	5.2	6.56		LX4_3462	Lynx 4
including	1331.7	1332.3	0.6	28.9			
	1374.0	1376.0	2.0	10.7		LX4_3445	Lynx 4
	1407.3	1409.9	2.6	17.4		LX4	Lynx 4
including	1408.5	1409.4	0.9	46.9			
OSK-W-22-2605-W3	1433.9	1436.3	2.4	4.74		LX4	Lynx 4
WST-21-0939A	113.8	115.8	2.0	13.1		LXM_3359	Lynx
including	113.8	114.5	0.7	30.1			
WST-21-0940	111.0	113.1	2.1	36.8	30.9	LXM_3359	Lynx
including	112.5	113.1	0.6	121	100		

WST-21-0941	115.2	117.3	2.1	14.4		LXM_3359	Lynx
including	115.2	115.6	0.4	75.1			
WST-21-0946	175.0	177.2	2.2	26.0	18.3	TLX_3161	Triple Lynx
including	176.8	177.2	0.4	143	100		
WST-22-1003A	95.4	97.5	2.1	9.97		MAL	Mallard
including	97.1	97.5	0.4	34.9			
	166.1	169.6	3.5	8.29		MAL	Mallard
including	168.7	169.6	0.9	25.4			
WST-22-1006-W1	434.8	437.4	2.6	13.6		LX4	Lynx 4
including	434.8	436.0	1.2	29.0			
WST-22-1010	387.9	390.0	2.1	37.9		LX4	Lynx 4
including	387.9	388.8	0.9	87.7			
WST-22-1011	343.5	345.5	2.0	3.65		TLX	Triple Lynx
including	343.8	344.1	0.3	13.8			
WST-22-1014	254.7	257.7	3.0	3.89		LHW_3224	Lynx HW
	318.8	322.0	3.2	4.38		LXM	Lynx
WST-22-1016	174.0	177.3	3.3	4.92		TLX	Triple Lynx
including	176.6	177.3	0.7	15.3			
	195.2	198.0	2.8	243	41.4	TLX	Triple Lynx
including	195.7	196.0	0.3	1495	100		

Notes: True widths are estimated at 55 - 80% of the reported core length interval. See *"Quality Control and Reporting Protocols"* below., MAL = Mallard, LXM = Lynx Main, LX4 = Lynx 4, LHW = Lynx Hanging wall, and TLX = Triple Lynx.

Drill hole location

Hole No.	Azimuth (?)	Dip (?)	Length (m)	UTM E	UTM N	Elevation	Section
OSK-W-21-2601-W2	125	-61	1500	453425	5435656	412	3900
OSK-W-21-2605-W1	112	-55	1380	453551	5435669	408	4025
OSK-W-22-2587-W3	127	-59	1221	453350	5435673	413	3850
OSK-W-22-2605-W2	112	-55	1431	453551	5435669	408	4025
OSK-W-22-2605-W3	112	-55	1455	453551	5435669	408	4025
WST-21-0708	134	-40	670	453374	5435296	-26	3675
WST-21-0892	138	-25	116	453314	5435164	124	3550
WST-21-0926	149	-27	111	453314	5435164	124	3550
WST-21-0938	146	-22	106	453314	5435164	124	3550
WST-21-0939A	150	-24	129	453315	5435164	124	3550
WST-21-0940	148	-21	127	453315	5435165	125	3550
WST-21-0941	153	-23	129	453315	5435164	124	3550
WST-21-0942	148	-20	126	453315	5435164	124	3550
WST-21-0946	168	-51	403	453507	5435327	-7	3800
WST-21-0991	134	-29	391	453461	5435326	32	3775
WST-22-1003A	355	-57	213	452206	5434903	247	2475
WST-22-1006-W1	121	-45	628	453506	5435326	-90	3800
WST-22-1006-W2	121	-45	628	453506	5435326	-90	3800
WST-22-1010	136	-28	481	453445	5435276	-99	3725
WST-22-1011	134	-32	630	453344	5435312	-66	3650
WST-22-1012	141	-50	579	453322	5435236	54	3600
WST-22-1013	142	-44	420	453360	5435297	-149	3675

WST-22-1014	123	-37	540	453507 5435332 -47	3800
WST-22-1016	143	-65	448	453647 5435347 -189	3950

Lynx Zone
Mineralization occurs as grey to translucent quartz-carbonate-pyrite-tourmaline veins and pyrite replacement zones and stockworks. Vein-type mineralization is associated with haloes of pervasive sericite-pyrite ? silica alteration and contain sulphides (predominantly pyrite with minor amounts of chalcopyrite, sphalerite, galena, arsenopyrite, and pyrrhotite) and local visible gold. Replacement mineralization is associated with strong pervasive silica-sericite-ankerite ? tourmaline alteration and contains disseminated pyrite from trace to 80% with local visible gold. Pyrite stockworks can form envelopes that reach several tens of metres thick. Fuchsite alteration is common and is spatially constrained to near the gabbros. Mineralization occurs at or near geological contacts between felsic porphyritic or fragmental intrusions and the host rhyolites or gabbros and locally can be hosted along the gabbro-rhyolite contact.

Mallard
Mineralization is hosted in sheared mafic volcanics with felsic porphyritic intrusions and occurs as veins associated with sericite-pyrite ? silica ? chlorite alteration and contains pyrite ranging from trace to 30% and local visible gold.

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), Director of Exploration for Osisko's Windfall 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 3.5 g/t Au diluted over core lengths of at least 2.0 metres. NQ core assays 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, Vancouver, British Colombia, Lima, Peru or Vientiane, Laos (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 a Four Acid Digestion-ICP-MS 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 the Abitibi region of Qu?bec, Canada. The Mineral Resource Estimate ("MRE") defined by Osisko, as disclosed in the news release dated January 10, 2022 is supported by the technical report entitled "Mineral Resource Estimate Update for the Windfall Project" dated February 10, 2022 (with an effective date of October 21, 2021), and assuming a cut-off grade of 3.50 g/t Au, comprises 565,000 tonnes at 11.6 g/t Au (210,000 ounces) in the measured mineral resource category, 8,907,000 tonnes at 10.5 g/t Au (2,994,000 ounces) in the indicated mineral resource category and 13,035,000 tonnes at 8.6 g/t Au (3,585,000 ounces) in the inferred mineral resource category. The key assumptions, parameters and methods used to estimate the mineral resource estimate disclosed in the January 10, 2022, news release, certain of which are described in the January 10, 2022, news release, are further described in the full technical report for this updated mineral resource estimate in accordance with NI 43-101 and is 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 resources are defined from surface to a depth of 1,600 metres as it now includes the Triple 8 (T8) zone. The resources excluding T8 are defined from surface to a depth of 1,200 metres. The deposit remains open along strike and at depth. Mineralization has been identified at surface in some areas and as deep as 2,625 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 gold 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 2,500 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 disclosed in this news release; the prospects, if any, of the Windfall gold deposit; timing and ability of Osisko to file a technical report for the mineral resource estimate disclosed in this news release; the timing and ability of Osisko, if at all, to publish a feasibility study for the Windfall gold deposit; the amount and type of drilling to be completed and the timing to complete such drilling; the focus of the remaining infill drilling; the trend of grade increase; the Lynx zone remaining open to expansion down plunge; upgrading a inferred mineral resource to a measured mineral resource or indicated mineral resource category; future drilling at the Windfall gold deposit; 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 (infill) 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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