

Osisko Windfall Drilling Returns More High-Grade

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TORONTO, Sept. 07, 2021 - [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 142 intercepts in 32 drill holes (16 from surface, 16 from underground) and 24 wedges. The infill intercepts are located inside defined February 2021 mineral resource estimate ("MRE") blocks (see *Osisko news release dated February 17, 2021*). The expansion intercepts are located outside the February 2021 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: "Windfall continues to deliver high-grade intercepts, especially in the Lynx and Underdog zones. Infill drilling has consistently delivered throughout our drill campaign, which is winding down this fall as we approach the completion of our drilling for the feasibility study next year. The great potential for growth at Windfall continues to be demonstrated by new high-grade intercepts located outside the February 2021 resource blocks. Windfall has shown its ability to deliver high-grade results time and time again, it's a strong and consistent mineralized system. As we move to completion of the infill program at Windfall, we are also beginning to move additional drills to the new Golden Bear discovery area and expect to have an update on our progress there in the coming weeks."

Selected high-grade intercepts include: 512 g/t Au over 2.4 metres in WST-21-0833; 212 g/t Au over 2.4 metres in WST-21-0842; 86.8 g/t Au over 3.4 metres in OSK-W-21-2287-W4; 141 g/t Au over 2.0 metres and 29.0 g/t Au over 5.5 metres in OSK-W-21-2503-W4; 108 g/t Au over 2.3 metres in OSK-W-21-2531-W1; 42.1 g/t Au over 4.8 metres in OSK-W-21-2470; 17.3 g/t Au over 11.4 metres in OSK-W-21-2537-W1; 83.0 g/t Au over 2.0 metres in OSK-W-21-2548-W2, and 57.6 g/t Au over 2.1 metres in WST-21-0854A. Maps showing hole locations and full analytical results are available at www.osiskominer.com.

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-20-2292-W6	862.7	864.8	2.1	5.68		TLX_3184	Triple Lynx
OSK-W-20-2400	1051.7	1054.3	2.6	4.57		UDD_4903	Underdog
	1060.9	1063.0	2.1	17.7		UDD_4904	Underdog
<i>including</i>	1060.9	1061.9	1.0	37.0			
OSK-W-21-1432-W5	932.8	935.0	2.2	3.76		LX4_3437	Lynx 4
	943.0	946.1	3.1	12.5		LX4_3437	Lynx 4
OSK-W-21-1827-W5	1101.7	1104.7	3.0	37.4			
<i>including</i>	1102.7	1103.7	1.0	85.9		UDD_4513	Underdog
	1135.0	1137.0	2.0	5.12		UDD_4514	Underdog
OSK-W-21-1827-W6	503.7	505.7	2.0	8.94		CA2_2231	Caribou
	507.5	510.4	2.9	15.7			
<i>including</i>	507.5	508.4	0.9	42.2		CA2_2231	Caribou
	514.1	516.3	2.2	6.59			
<i>including</i>	514.1	514.6	0.5	27.2		CA2_2231	Caribou
	523.8	526.1	2.3	5.53			
<i>including</i>	524.8	525.3	0.5	19.6		CA2_2241	Caribou

OSK-W-21-1882-W5	903.3	905.6	2.3	16.4		
<i>including</i>	903.3	904.2	0.9	39.6		UDD_4515 Underdog
	957.0	959.0	2.0	4.30		UDD_4501 Underdog
	1020.5	1023.0	2.5	19.2		UDD_4910 Underdog
<i>including</i>	1020.5	1021.4	0.9	52.4		
OSK-W-21-1949-W7	746.4	748.5	2.1	27.0	14.5	LXM_3345 Lynx
<i>including</i>	746.4	746.7	0.3	187	100	
	1082.0	1084.0	2.0	3.51		LX4_3430 Lynx 4
OSK-W-21-2067-W7	1089.6	1093.0	3.4	7.02		TLX_3162 Triple Lynx
OSK-W-21-2287-W4	1285.2	1288.6	3.4	86.8	42.1	
<i>including</i>	1285.9	1286.2	0.3	448	100	LX4_3449 Lynx 4
<i>and</i>	1286.2	1286.5	0.3	215	100	
OSK-W-21-2287-W5	1252.9	1254.9	2.0	8.28		LX4_3449 Lynx 4
	1308.0	1310.7	2.7	23.2		LX4_3445 Lynx 4
OSK-W-21-2470	965.0	969.8	4.8	42.1	34.9	
<i>including</i>	969.2	969.8	0.6	158	100	TLX_3163 Triple Lynx
OSK-W-21-2479-W6	906.0	908.0	2.0	6.29		
<i>including</i>	907.0	907.5	0.5	24.3		UDD_4502 Underdog
OSK-W-21-2479-W7	793.6	796.1	2.5	5.90		UDD_4107 Underdog
OSK-W-21-2479-W8	920.7	923.0	2.3	9.74		
<i>including</i>	920.7	921.1	0.4	49.5		UDD_4502 Underdog
	959.8	961.8	2.0	8.06		UDD_4910 Underdog
OSK-W-21-2503-W4	967.1	972.6	5.5	29.0	23.3	
<i>including</i>	967.9	968.3	0.4	179	100	TLX_3163 Triple Lynx
	990.0	992.0	2.0	17.8		
<i>including</i>	991.3	992.0	0.7	39.7		TLX_3164 Triple Lynx
	1009.0	1011.0	2.0	141	20.1	
<i>including</i>	1009.7	1010.1	0.4	704	100	TLX_3164 Triple Lynx
OSK-W-21-2522-W4	656.0	658.8	2.8	12.3		LXM_3304 Lynx
OSK-W-21-2531-W1	789.0	791.0	2.0	5.48		
<i>including</i>	790.0	790.7	0.7	11.3		UDD_4111 Underdog
	823.0	825.0	2.0	5.91		UDD_4110 Underdog
	887.6	891.5	3.9	22.0	21.1	
<i>including</i>	887.6	888.0	0.4	109	100	UDD_4101 Underdog
	896.0	898.0	2.0	12.0		
<i>including</i>	897.5	898.0	0.5	31.6		UDD_4100 Underdog
	901.0	903.0	2.0	10.7		
<i>including</i>	901.0	902.0	1.0	20.5		UDD_4100 Underdog
	905.7	908.0	2.3	108	43.7	
<i>including</i>	905.7	906.7	1.0	247	100	UDD_4100 Underdog
	1070.4	1072.8	2.4	8.05		
<i>including</i>	1072.1	1072.8	0.7	27.3		UDD_4501 Underdog
	1181.0	1183.9	2.9	9.72		
<i>including</i>	1182.8	1183.1	0.3	53.0		UDD_4512 Underdog
OSK-W-21-2532-W1	567.9	570.3	2.4	24.2		
<i>including</i>	569.2	570.3	1.1	51.6		CA2_2206 Caribou
	758.0	760.0	2.0	3.96		UDD_4121 Underdog
	783.0	785.0	2.0	5.54		UDD_4101 Underdog
	800.3	804.0	3.7	20.2		
<i>including</i>	802.3	803.1	0.8	69.7		UDD_4101 Underdog
	807.9	810.0	2.1	22.5		UDD_4100 Underdog

	815.0	817.0	2.0	6.57		
<i>including</i>	816.2	816.7	0.5	25.6		UDD_4120 Underdog
	971.0	973.0	2.0	8.53		
<i>including</i>	971.0	971.5	0.5	30.0		UDD_4511 Underdog
OSK-W-21-2532-W2	828.0	830.1	2.1	40.8	34.2	
<i>including</i>	829.1	829.6	0.5	128	100	UDD_4100 Underdog
	887.4	889.4	2.0	9.66		UDD_4106 Underdog
	953.0	955.0	2.0	6.26		UDD_4107 Underdog
	983.6	985.9	2.3	16.4		
<i>including</i>	983.6	984.0	0.4	40.2		UDD_4511 Underdog
<i>and</i>	985.5	985.9	0.4	53.1		
	1015.2	1017.5	2.3	4.76		UDD_4501 Underdog
OSK-W-21-2537	909.4	914.4	5.0	6.90		
<i>including</i>	912.4	913.4	1.0	14.9		TLX_3171 Triple Lynx
	916.9	921.2	4.3	4.47		TLX_3171 Triple Lynx
	925.0	928.8	3.8	3.92		TLX_3171 Triple Lynx
	935.0	943.0	8.0	11.4		
<i>including</i>	939.4	940.4	1.0	42.6		TLX_3161 Triple Lynx
	1018.0	1020.0	2.0	10.3		
<i>including</i>	1019.0	1019.5	0.5	30.6		TLX_3164 Triple Lynx
OSK-W-21-2537-W1	559.0	561.0	2.0	5.91		TLX_3196 Triple Lynx
	586.8	589.0	2.2	11.2		
<i>including</i>	586.8	587.7	0.9	27.2		TLX_3178 Triple Lynx
	901.0	903.0	2.0	4.91		TLX_3171 Triple Lynx
	912.6	924.0	11.4	17.3		
<i>including</i>	912.6	913.7	1.1	52.0		TLX_3171 Triple Lynx
<i>and</i>	918.8	919.4	0.6	46.5		
OSK-W-21-2544	987.6	989.6	2.0	3.72		
<i>including</i>	987.6	987.9	0.3	15.3		TLX_3195 Triple Lynx
OSK-W-21-2548	721.0	723.0	2.0	22.5		
<i>including</i>	721.0	721.6	0.6	73.8		CA2_2220 Caribou
OSK-W-21-2548-W1	758.0	760.0	2.0	3.86		
<i>including</i>	759.0	760.0	1.0	7.67		CA2_2219 Caribou
OSK-W-21-2548-W2	757.0	759.0	2.0	83.0	53.0	
<i>including</i>	757.0	758.0	1.0	160	100	CA2_2219 Caribou
	771.0	773.0	2.0	8.27		Caribou Caribou
OSK-W-21-2551-W1	837.1	840.1	3.0	10.8		LX4_3414 Lynx 4
OSK-W-21-2552	600.0	602.2	2.2	3.60		
<i>including</i>	600.5	600.8	0.3	17.9		UDD_4914 Underdog
	615.8	617.9	2.1	22.0		
<i>including</i>	616.6	617.5	0.9	51.0		UDD_4103 Underdog
OSK-W-21-2555	635.0	637.1	2.1	7.43		CA2_2223 Caribou
OSK-W-21-2556	139.0	141.0	2.0	12.0		F51_6008 F-51
OSK-W-21-2560	603.9	609.4	5.5	19.3	15.0	
<i>including</i>	609.0	609.4	0.4	159	100	UDD_4914 Underdog
OSK-W-21-2561	555.0	557.0	2.0	3.88		TLX_3178 Triple Lynx
	659.9	662.9	3.0	16.0		TLX_3171 Triple Lynx
OSK-W-21-2562	656.2	658.2	2.0	5.48		CA2_2208 Caribou
	683.0	692.0	9.0	11.6		
<i>including</i>	685.2	685.6	0.4	97.1		CA2_2217 Caribou
<i>and</i>	688.5	689.0	0.5	42.3		
OSK-W-21-2566	134.0	136.0	2.0	4.81		F51_6008 F-51

OSK-W-21-2567	137.7	139.8	2.1	22.1		F51_6008 F-51
<i>including</i>	138.1	139.0	0.9	43.3		
WST-21-0718	79.5	82.1	2.6	3.95		LXM_3304 Lynx
<i>including</i>	81.7	82.1	0.4	10.0		
WST-21-0772	347.0	349.0	2.0	4.62		TLX_3166 Triple Lynx
<i>including</i>	348.4	349.0	0.6	14.6		
WST-21-0797A	599.2	601.4	2.2	6.53		LX4_3429 Lynx 4
<i>including</i>	600.5	600.9	0.4	25.3		
WST-21-0833	278.0	280.4	2.4	512	45.3	LHW_3201 Lynx HW
<i>including</i>	278.0	279.0	1.0	1220	100	
WST-21-0835	281.0	283.0	2.0	4.67		LHW_3221 Lynx HW
	328.9	331.0	2.1	25.7		LHW_3215 Lynx HW
<i>including</i>	329.5	330.4	0.9	56.6		
WST-21-0840	713.0	715.0	2.0	3.72		LX4_3412 Lynx 4
WST-21-0842	250.6	253.0	2.4	212	42.1	TLX_3161 Triple Lynx
<i>including</i>	251.1	251.6	0.5	917	100	
WST-21-0850	83.0	85.4	2.4	6.47		LXM_3339 Lynx
<i>including</i>	85.0	85.4	0.4	16.7		
	267.8	270.1	2.3	8.14		LSW_3500 Lynx SW
<i>including</i>	268.3	268.9	0.6	29.6		
	326.8	329.3	2.5	10.2		TLX_3166 Triple Lynx
<i>including</i>	326.8	327.3	0.5	49.0		
WST-21-0851A	168.6	170.7	2.1	13.4		LXM_3304 Lynx
<i>including</i>	169.1	169.4	0.3	87.5		
	480.0	482.4	2.4	6.06		LX4_3430 Lynx 4
<i>including</i>	481.8	482.4	0.6	24.0		
	518.6	521.0	2.4	5.93		LX4_3440 Lynx 4
<i>including</i>	518.6	519.4	0.8	16.4		
	528.0	530.0	2.0	5.84		LX4_3434 Lynx 4
<i>including</i>	528.5	529.0	0.5	20.0		
	590.0	592.2	2.2	4.93		LX4_3439 Lynx 4
<i>including</i>	590.0	590.6	0.6	16.1		
WST-21-0852A	127.5	129.6	2.1	7.07		LXM_3334 Lynx
<i>including</i>	128.8	129.3	0.5	26.1		
	420.1	422.3	2.2	3.98		LX4_3452 Lynx 4
<i>including</i>	420.6	421.3	0.7	11.3		
	487.2	489.2	2.0	23.2		LX4_3450 Lynx 4
<i>including</i>	487.2	487.7	0.5	90.7		
	648.0	650.0	2.0	11.1		LX4_3438 Lynx 4
<i>including</i>	649.3	649.6	0.3	34.7		
	669.7	672.2	2.5	3.75		LX4_3415 Lynx 4
<i>including</i>	669.7	670.2	0.5	10.4		
WST-21-0853A	289.3	291.3	2.0	6.49		TLX_3161 Triple Lynx
<i>including</i>	290.6	291.3	0.7	16.2		
	347.6	349.7	2.1	6.72		TLX_3163 Triple Lynx
<i>including</i>	348.4	349.1	0.7	19.0		
WST-21-0854A	185.9	188.0	2.1	57.6		TLX_3161 Triple Lynx
<i>including</i>	187.0	188.0	1.0	93.1		
	300.0	302.1	2.1	4.59		TLX_3182 Triple Lynx
<i>including</i>	300.8	301.5	0.7	12.8		
	353.7	356.0	2.3	3.91		TLX_3188 Triple Lynx
<i>including</i>	355.3	355.6	0.3	22.0		

	654.0	656.0	2.0	10.6		
<i>including</i>	654.8	655.2	0.4	48.1	LX4_3448	Lynx 4
WST-21-0869	357.0	359.0	2.0	12.4	TLX_3167	Triple Lynx
	510.6	512.9	2.3	6.91	LX4_3450	Lynx 4
WST-21-0870	288.6	290.6	2.0	13.8		
<i>including</i>	289.8	290.2	0.4	51.0	LSW	Lynx SW
	299.0	301.0	2.0	18.0		
<i>including</i>	300.1	301.0	0.9	38.9	LSW	Lynx SW
	329.9	335.0	5.1	19.3		
<i>including</i>	332.4	332.7	0.3	84.6	LSW_3556	Lynx SW
WST-21-0871	324.6	327.0	2.4	4.45		
<i>including</i>	324.6	324.9	0.3	35.0	TLX_3131	Triple Lynx

Notes: True widths are estimated at 55 - 80% of the reported core length interval. See "Quality Control and Reporting Protocols" below., LXM = Lynx Main, LX4 = Lynx 4, LHW = Lynx Hanging Wall, LSW = Lynx SouthWest, TLX = Triple Lynx and UDD = Underdog, CA2 = Caribou.

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-21-1432-W5	895.5	898.0	2.5	5.81			
<i>including</i>	896.2	897.0	0.8	17.6		LX4	Lynx 4
OSK-W-21-1827-W5	1087.0	1089.5	2.5	14.7			
<i>including</i>	1087.0	1088.0	1.0	28.8		UDD	Underdog
OSK-W-21-2287-W4	1304.8	1307.0	2.2	4.26			
<i>including</i>	1305.4	1305.7	0.3	19.0		LX4	Lynx 4
	1373.0	1375.0	2.0	4.84		LX4	Lynx 4
OSK-W-21-2478-W5	555.0	557.0	2.0	4.90		Triple Lynx	Triple Lynx
OSK-W-21-2479-W7	759.0	761.0	2.0	3.88		UDD	Underdog
OSK-W-21-2513	256.2	259.0	2.8	3.95		F51	F51
OSK-W-21-2522-W4	697.0	700.0	3.0	4.68		Lynx	Lynx
OSK-W-21-2532-W1	826.6	829.1	2.5	11.6			
<i>including</i>	827.6	828.2	0.6	47.4		Underdog	Underdog
OSK-W-21-2537	971.0	975.0	4.0	4.33		Triple Lynx	Triple Lynx
OSK-W-21-2540-W1	1132.1	1134.4	2.3	4.47		Triple Lynx	Triple Lynx
	1141.6	1143.7	2.1	4.27			
<i>including</i>	1143.4	1143.7	0.3	17.7		Triple Lynx	Triple Lynx
OSK-W-21-2546-W1	579.0	581.4	2.4	4.06			
<i>including</i>	580.0	580.4	0.4	23.0		Caribou extension	Caribou
	631.9	635.8	3.9	4.27			
<i>including</i>	631.9	632.2	0.3	14.6		Caribou extension	Caribou
<i>and</i>	635.1	635.8	0.7	13.2			
	819.7	822.0	2.3	4.78			
<i>including</i>	819.7	820.5	0.8	11.0		Caribou extension	Caribou
OSK-W-21-2548	731.0	733.2	2.2	5.08		Caribou	Caribou
OSK-W-21-2548-W1	790.8	792.8	2.0	5.99			
<i>including</i>	792.4	792.8	0.4	27.3		Caribou	Caribou
OSK-W-21-2549	461.0	463.0	2.0	13.4			
<i>including</i>	461.5	461.9	0.4	55.5		Caribou	Caribou
	641.5	645.0	3.5	11.5			
<i>including</i>	642.6	643.2	0.6	37.6		Caribou	Caribou

	705.4	708.0	2.6	14.7		
<i>including</i>	705.4	706.1	0.7	32.2	Caribou	Caribou
OSK-W-21-2555	610.0	612.3	2.3	3.70		
<i>including</i>	611.9	612.3	0.4	12.7	Caribou	Caribou
OSK-W-21-2559	656.0	658.0	2.0	5.86	Caribou	Caribou
OSK-W-21-2562	649.9	654.8	4.9	22.4	Caribou	Caribou
<i>including</i>	651.0	651.6	0.6	48.2		
WST-21-0772	242.0	244.0	2.0	44.7		
<i>including</i>	242.7	243.6	0.9	99.1	LSW	Lynx SW
	249.0	251.0	2.0	3.63		
<i>including</i>	249.5	249.8	0.3	23.3	LSW	Lynx SW
WST-21-0831	160.8	163.0	2.2	4.45		
<i>including</i>	160.8	161.4	0.6	15.8	LSW	Lynx SW
	403.4	405.4	2.0	5.45		
<i>including</i>	403.8	404.4	0.6	17.2	LSW	Lynx SW
WST-21-0840	343.0	345.9	2.9	5.91	TLX	Triple Lynx
	374.5	377.0	2.5	11.4	TLX	Triple Lynx
WST-21-0850	417.7	420.0	2.3	42.5		
<i>including</i>	417.7	418.5	0.8	95.6	LSW	Lynx SW
WST-21-0852A	29.6	32.0	2.4	17.5		
<i>including</i>	29.6	30.2	0.6	65.8	Lynx	Lynx
	146.0	148.0	2.0	4.19		
<i>including</i>	146.3	146.7	0.4	20.4	Lynx	Lynx
WST-21-0854A	546.0	548.1	2.1	4.64	LX4	Lynx 4
WST-21-0871	570.9	573.0	2.1	9.34	LX4	Lynx 4

Notes: True widths are estimated at 55 - 80% of the reported core length interval. See "Quality Control and Reporting Protocols" below. LX4 = Lynx 4, LSW = Lynx SouthWest, TLX = Triple Lynx, UDD = Underdog.

Drill hole location

Hole Number	Azimuth (?)	Dip (?)	Length (m)	UTM E	UTM N	Elevation	Section
OSK-W-20-2292-W6	125	-54	1110	453035	5435561	420	3500
OSK-W-20-2400	336	-53	1230	452878	5434419	401	2825
OSK-W-21-1432-W5	132	-55	1041	453811	5435779	400	4300
OSK-W-21-1827-W5	331	-58	1203	452506	5434390	403	2475
OSK-W-21-1827-W6	331	-58	1281	452506	5434390	403	2475
OSK-W-21-1882-W5	328	-58	1071	452469	5434405	400	2450
OSK-W-21-1949-W7	105	-57	1312	453440	5435479	401	3825
OSK-W-21-2067-W7	123	-53	1166	453241	5435697	416	3750
OSK-W-21-2287-W4	116	-53	1437	453607	5435714	404	4075
OSK-W-21-2287-W5	116	-53	1380	453607	5435714	404	4075
OSK-W-21-2470	132	-59	1230	453304	5435639	415	3775
OSK-W-21-2478-W5	128	-54	1166	452997	5435607	425	3500
OSK-W-21-2479-W6	344	-55	1014	452315	5434419	399	2325
OSK-W-21-2479-W7	344	-55	999	452315	5434419	399	2325
OSK-W-21-2479-W8	344	-55	1026	452315	5434419	399	2325
OSK-W-21-2503-W4	126	-58	1191	453333	5435641	413	3800
OSK-W-21-2513	147	-45	281	453518	5436030	405	4150
OSK-W-21-2522-W4	128	-54	1208	453451	5435594	411	3900
OSK-W-21-2531-W1	344	-62	1215	452566	5434415	403	2550
OSK-W-21-2532-W1	341	-60	1035	452480	5434428	401	2475

OSK-W-21-2532-W2	341	-60	1145	452480	5434428	401	2475
OSK-W-21-2537	114	-54	1243	452981	5435549	420	3450
OSK-W-21-2537-W1	114	-54	1020	452981	5435549	420	3450
OSK-W-21-2540-W1	117	-60	1200	453465	5435640	410	3925
OSK-W-21-2544	128	-50	1161	452960	5435539	419	3425
OSK-W-21-2546-W1	140	-58	843	452768	5435312	406	3150
OSK-W-21-2548	331	-57	774	452829	5434550	398	2850
OSK-W-21-2548-W1	331	-57	837	452829	5434550	398	2850
OSK-W-21-2548-W2	331	-57	801	452829	5434550	398	2850
OSK-W-21-2549	332	-58	723	452703	5434455	401	2675
OSK-W-21-2551-W1	120	-55	978	453622	5435635	405	4050
OSK-W-21-2552	335	-52	684	452404	5434674	400	2525
OSK-W-21-2555	329	-59	741	452728	5434472	401	2700
OSK-W-21-2556	124	-50	198	453426	5435858	405	4000
OSK-W-21-2559	327	-51	825	452829	5434550	398	2850
OSK-W-21-2560	333	-53	684	452404	5434674	400	2525
OSK-W-21-2561	142	-51	801	452886	5435484	409	3350
OSK-W-21-2562	331	-56	753	452733	5434488	401	2725
OSK-W-21-2566	178	-58	189	453426	5435858	405	4000
OSK-W-21-2567	146	-60	186	453426	5435858	405	4000
WST-21-0718	162	0	100	453359	5435194	83	3625
WST-21-0772	148	-68	411	453104	5435065	231	3325
WST-21-0797A	138	-46	751	453321	5435235	54	3600
WST-21-0831	157	-63	526	452954	5435003	253	3175
WST-21-0833	122	-16	334	453463	5435327	32	3775
WST-21-0835	122	-27	385	453462	5435327	32	3775
WST-21-0840	143	-48	778	453258	5435209	96	3525
WST-21-0842	156	-69	445	453506	5435327	-7	3800
WST-21-0850	151	-64	532	453105	5435065	231	3325
WST-21-0851A	123	-40	618	453507	5435332	-48	3800
WST-21-0852A	141	-43	709	453321	5435236	54	3600
WST-21-0853A	150	-72	376	453505	5435328	-5	3800
WST-21-0854A	134	-41	724	453374	5435296	-26	3675
WST-21-0869	142	-47	622	453258	5435210	96	3525
WST-21-0870	134	-56	360	453106	5435066	231	3325
WST-21-0871	140	-50	582	453321	5435236	54	3600

Caribou Zone

Mineralization most commonly occurs in gold-bearing pyrite stockworks as well as semi-massive pyrite replacement zones associated with phyllic alteration (sericite-pyrite ? silica) with sulphides, pyrite dominated with minor chalcopyrite and sphalerite ranging from trace to up to 20%, and local visible gold. Mineralization is hosted in rhyolites or mafic-intermediate volcanics frequently at or near faults or the contact with felsic porphyritic intrusions.

Underdog

Mineralization most commonly occurs in gold-bearing quartz-pyrite (? tourmaline) veins and as disseminated, stringer, semi-massive to massive pyrite with minor sphalerite, chalcopyrite and molybdenite associated with strong sericite and silica alteration. Mineralization is hosted along the intrusive contacts of a three-phase composite felsic porphyritic unit which cross-cuts felsic and mafic volcanic sequences.

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.

F-Zones

Mineralization is hosted in sheared andesites with carbonate replacement or quartz veining and occurs as quartz ? ankerite veinlets or as replacement type in shear zones and is characterised by trace to 10% pyrite with local visible gold. Alteration is dominated by sericite-fuchsite-tourmaline-pyrite.

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 Columbia, 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 February 17, 2021 is supported by the technical report entitled "Preliminary Economic Assessment Update for the Windfall Project" dated April 26, 2021 (that includes Windfall Mineral Resource Estimate with an effective date of November 30, 2020), and assuming a cut-off grade of 3.50 g/t Au, comprises 521,000 tonnes at 11.3 g/t Au (189,000 ounces) in the measured mineral resource category, 5,502,000 tonnes at 9.4 g/t Au (1,668,000 ounces) in the indicated mineral resource category and 16,401,000 tonnes at 8.0 g/t Au (4,244,000 ounces) in the inferred mineral resource category. The key assumptions, parameters and methods used to estimate the mineral resource estimate disclosed in the February 17, 2021 news release are further described in the full technical report prepared by BBA Inc. 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 2,700 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 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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