

Northern Gold Extends Gold Mineralization at Buffonta and Completes Initial Drilling Program

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TORONTO, ONTARIO--(Marketwired - Jul 30, 2013) - [Northern Gold Mining Inc. \(TSX VENTURE:NGM\)](#) ("**Northern Gold**" or the "**Company**") is pleased to announce the extension of gold mineralization between the Kerr Pit and Zone 6 open pit and the results of the final fifteen diamond drill holes completed from surface diamond drilling on its wholly-owned Buffonta Property, comprised within the Golden Bear Project, 100 km east of Timmins, Ontario.

Drilling assay highlights of the drill holes include:

- **3.07 g/t Au over 2.0m** (319.0 to 321.0m) BUF-13-11
- **6.90 g/t Au over 1.0m** (208.0 to 209.0m) BUF-13-16
- **1.96 g/t Au over 6.0m** (278.0 to 284.0m) BUF-13-18
- **3.13 g/t Au over 5.0m** (174.0 to 179.0m) BUF-13-21
- **2.71 g/t Au over 3.0m** (120.0 to 123.0m) BUF-13-24
- **1.94 g/t Au over 5.0m** (152.0 to 157.0m) BUF-13-24

Drilling

The final fifteen drill holes (BUF-13-10 to BUF-13-24) totaled 5,094 metres. Fourteen of the fifteen drill holes successfully intersected gold mineralization at various depths. To date, 24 drill holes were completed and totaled 8,128.5 metres on the Buffonta grid. Assay results for the complete 24 diamond drill program are now released.

Drill holes BUF-13-10 to BUF-13-17 were collared to target Zone No. 4. BUF-13-10 to BUF-13-11, collared at L25+00 and 50 metres apart, were drilled grid north at an inclination of -45°, as step outs from the Kerr Pit into Zone No. 4 to the east. Both holes encountered the kimberlitic structure and quartz vein/alteration zone with associated gold mineralization. BUF-13-12 to BUF-13-14, collared at L24+50, were three holes fan-drilled at inclinations of, -45° grid north, -90° (vertical) and -45° grid south, respectively. BUF-13-15 and BUF-13-16, collared at L24+00, were two holes drilled at -90° (vertical), and -45° grid north, respectively. All holes in Zone No. 4 intersected mineralization and were to trace stratigraphy and provide information on vein and alteration thickness.

Drill holes BUF-13-17 to BUF-13-20 were collared to target Zone No. 6. BUF-13-17 and BUF-13-18, collared at L23+50, were two holes drilled at -45° grid north, and -90° (vertical) respectively. BUF-13-19 and BUF-13-20, collared at L23+00, were two holes drilled at -90° (vertical) and -45° grid north, respectively. All holes in Zone No. 6 intersected mineralization and were to display an extent of the existing open pit.

Drill holes BUF-13-21 to BUF-13-24 were collared to target Zone No. 5. BUF-13-21 collared at L22+50 and drilled at -45° grid north. BUF-13-22 collared at L22+00 and drilled at -45° grid north. BUF-13-23 collared at L21+50 and drilled at -45° grid north. BUF-13-24 collared at L21+00 and drilled at -45° grid north. All holes in Zone No. 5 intersected significant values and have extended the historical resources to the south-east.

To date, drilling has confirmed a series of shallow dipping stacked gold mineralized veins/alteration zones over a minimum strike length of 500 metres from the Kerr Pit to the south-east, with mineralization open to the north, east and south. Gold mineralization has been intersected at a vertical depth of over 275 metres. The kimberlitic fault structure shows a south-dipping, E-W trending fault system interpreted as a conduit for the gold mineralizing fluids. Gold mineralization occurs on both the hanging wall and footwall of the fault structure and associated with a highly deformed/alteration zone.

Table 1 - Buffonta Drill Assay Results

Hole ID	Zone	Section	From (m)	Including (m)	To (m)	Interval (m)	Au g/t Uncut	
BUF-13-10	No. 4 Zone	L25+00	20		21	1	1.48	
			136		137	1	1.12	
			195		196	1	1.55	
BUF-13-11	No. 4 Zone	L25+00	4		6	2	1.59	
			39		40	1	1.13	
			108.3		114	5.7	0.95	
				113	114	1	2.62	
			120		121	1	1.74	
			164		165	1	1.16	
			228		232	4	1.80	
			247		248	1	1.98	
			263		270	7	0.95	
			290		292	2	1.58	
			319		321	2	3.07	
BUF-13-12	No. 4 Zone	L24+50	57		59	2	1.28	
			110		113	3	0.82	
				112	113	1	1.32	
BUF-13-13	No. 4 Zone	L24+50	135		143	8	1.23	
				135	138	3	2.22	
				137	138	1	1.56	
				141	143	2	1.08	
			186		190	4	1.90	
				188	189	1	2.84	
			244		246	2	2.24	
				244	245	1	3.37	
			359		360	1	1.05	
BUF-13-14	No. 4 Zone	L24+50	26		27	1	1.35	
			145		147	2	1.29	
				145	146	1	1.87	
BUF-13-15	No. 4 Zone	L24+00	No Significant results					
BUF-13-16	No. 4 Zone	L24+00	208		209	1	6.90	
			220		221	1	1.56	
			258		263	5	1.07	
				258	259	1	1.02	
				262	263	1	2.22	
BUF-13-17	No. 6 Zone	L23+50	142		143	1	2.51	
			158		160	2	1.92	
			206		207	1	2.67	
			222		223	1	1.88	
			256		257	1	1.77	
			302		305	3	0.83	
BUF-13-18	No. 6 Zone	L23+50	63		64	1	1.07	
				63.5	64	0.5	1.29	
			230		231	1	3.52	
			243		244	1	1.35	
			253		257	4	1.02	
				254	255	1	1.80	
			278		284	6	1.96	
				278	281	3	2.79	
				278	279	1	4.46	
				279	280	1	2.82	
				283	284	1	2.51	
BUF-13-19	No. 6 Zone	L23+00	43		44	1	1.47	
			224.5		227	2.5	1.49	
			240		241	1	1.55	
			264		265	1	2.06	
			272		281	9	0.97	
				272	274	2	1.40	

				277	281	4	1.31
				277	278	1	2.24
			318		319	1	1.14
BUF-13-20	No. 6 Zone	L23+00	103		104	1	4.57
			171		172	1	2.54
			301		303	2	1.29
			332		333	1	4.55
BUF-13-21	No. 5 Zone	L22+50	10.3		12	1.7	1.89
				10.3	11	0.7	3.78
			174		179	5	3.13
				174	175	1	4.50
				177	178	1	1.24
				178	179	1	9.40
BUF-13-22	No. 5 Zone	L22+00	163.6		168	4.4	1.44
				167	168	1	2.13
			219		220	1	1.38
			236		238	2	1.60
				236	237	1	2.24
BUF-13-23	No. 5 Zone	L21+50	188		189	1	1.25
			279		282	3	0.80
BUF-13-24	No. 5 Zone	L21+00	11		12	1	1.05
			116		123	7	1.82
				116	119	3	1.40
				120	123	3	2.71
			150		157	7	1.61
				152	157	5	1.94
			182		183.2	1.2	1.30
			223		224	1	1.30
			225		229	4	0.58
			294		296	2	1.92
				295	296	1	2.92

Notes: Significant assays from 15 drill holes drilled on sections L25+00, L24+50, L24+00, L23+50, L23+00, L22+50, L22+00, L21+50 and L21+00 east of the Kerr Pit east towards the No. 5 and 6 Zones. Intervals reported are downhole lengths; true widths of mineralization are not yet known.

Table 2 - Location and Initial Orientation of Drill Holes

Hole ID	Section Line Easting	Section Line Northing	Azimuth (true)	Inclination (degrees)
BUF-13-10	L25+00	100+00	55°	-45°
BUF-13-11	L25+00	99+50	55°	-45°
BUF-13-12	L24+50	100+00	55°	-45°
BUF-13-13	L24+50	100+00	0°	-90°
BUF-13-14	L24+50	100+00	235°	-45°
BUF-13-15	L24+00	100+00	0°	-90°
BUF-13-16	L24+00	100+00	55°	-45°
BUF-13-17	L23+50	100+00	55°	-45°
BUF-13-18	L23+50	100+00	0°	-90°
BUF-13-19	L23+00	100+00	0°	-90°
BUF-13-20	L23+00	100+00	55°	-45°
BUF-13-21	L22+50	100+00	55°	-45°
BUF-13-22	L22+00	100+00	55°	-45°
BUF-13-23	L21+50	100+00	55°	-45°
BUF-13-24	L21+00	100+00	55°	-45°

Buffonta Property drilling cross sections and a drill plan will be posted on the Company's website at: <http://northerngold.ca/golden-bear-project/buffonta-property>

Quality Assurance/Quality Control

Northern Gold has implemented comprehensive, industry standard quality-assurance, quality-control protocols for diamond drilling, core recovery, handling, sampling, shipping and assaying. Details of these

best practice principals can be viewed on the Company's website at: <http://www.northerngold.ca/QA-QC.php>

The technical aspects of this press release have been reviewed and approved by Gary Nassif, M.Sc., P.Geo., Manager Exploration Services of Northern Gold and the "Qualified Person" as defined by National Instrument 43-101 for the Golden Bear Project.

About Northern Gold

Northern Gold is a TSXV-listed gold company based in Toronto, Ontario. The Company's main focus is the exploration and development of its prospective mineral properties of the Golden Bear Project in the Larder Lake Mining Division, northeastern Ontario. Northern Gold has a portfolio of advanced exploration projects, including the Jonpol and Garrcon Deposits and the Buffonta Property. The recent property acquisitions including the Harker-Holloway Property and amalgamation with [Victory Gold Mines Inc.](#) add to the Company's regional consolidation strategy along the Destor-Porcupine Fault Zone.

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