Great Bear Drills 10.58 g/t Gold Over 21.00 m; Initiates 5 km Grid Drill Program at LP Fault; Mobilizes Fifth Drill Rig

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VANCOUVER, Feb. 13, 2020 - Great Bear Resources Ltd. (the "Company" or "Great Bear", TSX-V: GBR) today reported new developments from its fully funded $21 million exploration program at its 100% owned flagship Dixie Project in the Red Lake district of Ontario.

The Company has completed a successful "first pass" 4.2 kilometre drill test of the LP Fault. All (100%) of 59 drill holes on 50 - 250 metre spacings have successfully intersected gold mineralization. A long section view of results is provided in Figure 1. A continuously mineralized zone is now interpreted, the "LP Fault zone", which remains open both along strike and at depth. Previously disclosed LP Fault zone names (Bear-Rimini, Gap, Yuma, Yauro, Auro and Viggo) will no longer be used in Great Bear's news releases. Results will be provided by drill section on a go-forward basis.

Great Bear is now undertaking a systematic grid drill program testing a 2.5 square kilometre "panel" of the LP Fault (5 kilometres horizontally by 500 metres vertically from surface). Drill spacing will initially average 100 metres along strike and 75 metres vertically. Additional drilling below 500 metres is also being undertaken. Up to 300 additional drill holes are required to complete this panel during 2020 and the Company is fully-funded for this work. Four drill rigs are currently deployed along the LP Fault and a fifth drill rig will be used to continue concurrent regional exploration, including further LP Fault step-outs.

Highlights of current results include:

- Drill hole BR-068 intersected 10.58 g/t gold over 21.00 metres, including 48.98 g/t gold over 3.25 metres on drill section 20750. Results demonstrate apparent continuity of gold mineralization from surface to 305 metres vertical depth, and increasing gold grades and interval widths with increasing depth. BR-068 is located 1.8 kilometres southeast of the LP Fault discovery hole DNW-011. Table 1 and Figure 2
- Drill hole BR-067 was completed on drill section 20600, located 150 metres to the southeast of drill section 20750, and intersected 10.95 g/t gold over 6.00 metres. Results demonstrate apparent continuity of high-grade gold mineralization over 400 vertical metres and apparent continuity across the 150 metre distance to drill section 20750. Gold was intersected to 550 metres vertical depth. Figure 3.
- Drill hole BR-057, which is the second most southeasterly hole intersecting the LP Fault to-date, returned 7.35 g/t gold over 3.50 metres, including 38.03 g/t gold over 0.50 metres on drill section 18750. This hole is located approximately 4.2 kilometres southeast of LP Fault discovery hole DNW-011, and 1.85 kilometres southeast of drill section 20600. Figure 4.

A cross section through the original LP Fault discovery hole is provided in Figure 5. Similar geology, structural controls and gold mineralization are present in all areas along the 4.2 kilometres of the LP drilled to-date.

Chris Taylor, President and CEO of Great Bear said, "We now interpret a continuous gold-mineralized zone along more than four kilometres of strike length of the LP Fault, which remains open to extension. Assay results, geology, and oriented structural data suggest the zone hosts steeply-dipping 'sheets' of disseminated high-grade gold mineralization with significant strike length and vertical extent. More detailed drilling is required to accurately delineate the geometries of these high-grade 'sheets' and the boundaries of the surrounding mineralized envelope. While the total LP Fault target is many times larger (Zeng and Calvert, 2006; 14 kilometres deep and 20+ kilometres in length based on seismic data), we've selected a 2.5 square kilometre section, 5 kilometres long by 500 metres deep, for grid drilling during 2020. This will help characterize the gold mineralized system in preparation for more advanced studies in 2021 and has the potential to unlock significant potential additional value for our shareholders. We will also continue property

wide drill testing of new targets, including further step-outs on the LP Fault."

Table 1: Most recent results from drilling of the LP Fault.

Drill Hole		From (m)	To (m)	Width* (m)	Gold (g/t)	Section
BR-023		490.00	495.00	5.00	0.52	20200
BR-033		390.15	408.60	18.45	0.26	21800
	and	427.50	431.00	3.50	1.05	
	and	442.05	452.00	9.95	0.57	
	including	449.30	451.50	2.20	2.00	
BR-050		267.90	274.00	6.10	1.25	18900
	including	271.00	271.50	0.50	4.95	
BR-051		451.00	456.50	5.50	4.00	18900
	including	455.50	456.50	1.00	12.91	
	and including	456.00	456.50	0.50	25.13	
BR-057		222.80	238.15	15.35	2.09	18750
	including	232.00	235.50	3.50	7.35	
	and including	232.50	233.00	0.50	38.03	
BR-058		140.00	145.50	5.50	0.60	18550
	and	166.15	168.20	2.05	4.20	
BR-059		484.50	488.50	4.00	1.14	18550
BR-061		15.00	23.00	8.00	0.53	19750
	and	28.00	29.70	1.70	2.29	
	and	107.00	113.00	6.00	0.46	
	and	165.00	170.00	5.00	0.61	
	and	270.90	273.00	2.10	1.01	
	and	366.00	370.50	4.50	0.54	
BR-062		197.00	206.00	9.00	0.46	19750
	and	256.00	264.00	8.00	1.09	
	and	272.00	274.00	2.00	2.11	
	and	404.95	407.00	2.05	1.11	

BR-063		149.00	154.00	5.00	0.49	19550
	and	348.00	351.00	3.00	0.93	
BR-064		271.00	279.20	8.20	2.46	19550
	including	277.30	278.70	1.40	13.50	
	and	481.50	484.40	2.90	1.20	
BR-066		299.40	340.50	41.10	0.72	20400
	including	299.40	311.00	11.60	1.11	
	and	516.00	519.00	3.00	1.72	
	and	531.50	557.10	25.60	0.28	
BR-067		259.00	280.50	21.50	0.53	20600
	and	296.00	317.00	21.00	3.35	
	including	310.00	316.00	6.00	10.95	
	and including	311.50	314.00	2.50	19.38	
	and	321.00	393.00	72.00	0.53	
	and	411.00	449.00	38.00	0.22	
	and	573.40	584.80	11.40	0.68	
	and	678.40	716.30	37.90	0.35	
BR-068		355.40	382.00	26.60	8.45	20750
	including	357.90	379.00	21.10	10.58	
	and including	357.90	360.65	2.75	16.74	
	and including	370.00	375.10	5.10	33.30	
	and including	370.00	373.25	3.25	48.98	
	and including	372.75	373.25	0.50	195.00	
	and	406.30	437.70	31.40	1.07	
	and including	416.20	424.20	8.00	3.24	
	and	450.65	452.00	1.35	10.99	

*Widths are drill indicated core length, as insufficient drilling has been undertaken to determine true widths at this time. Average grades are calculated with un-capped gold assays, as insufficient drilling has been completed to determine capping levels for higher grade gold intercepts. Average widths are calculated using a 0.10 g/t gold cut-off grade with < 3 m of internal dilution of zero grade.

A map view of currently completed drill fences is provided in Figure 6. The locations of the cross sections provided in the previous figures are highlighted.

In order to place significant previously disclosed drill results in spatial context, Table 2 provides section

location information for twenty previously disclosed drill holes with highlighted gold intercepts. These intervals are also shown visually in long section format in Figure 1.

The Company will post a complete table of all disclosed drill holes with highlighted intervals from the LP Fault including section information, drill collar locations, azimuths and dips on the Company's web site at: www.greatbearresources.ca.

Table 3 provides drill collar location, azimuth and dip information for the newly reported drill holes included in this release.

Table 2: Highlighted intervals from twenty previously released drill holes along the LP Fault, with section location numbers included for reference.

Drill Hole		From (m)	To (m)	Width* (m)	Gold (g/t)	Section
BR-003		119.00	212.05	93.05	0.53	22375
BR-004		164.70	205.50	40.80	1.00	22375
BR-012	and	208.00	288.00	80.00	0.60	22375
BR-018		270.20	314.60	44.40	1.05	22250
BR-019		119.00	167.90	48.90	0.73	22250
BR-020		81.00	134.70	53.70	4.20	20100
BR-020	including	90.00	132.00	42.00	5.28	
BR-020	and including	90.75	108.00	17.25	10.65	
BR-020	and including	90.75	94.00	3.25	48.08	
BR-020	and including	90.75	92.25	1.50	101.71	
BR-021		70.00	77.00	7.00	6.21	20250
BR-021	including	70.00	71.00	1.00	42.72	
BR-022		461.60	512.00	50.40	1.78	
BR-022	including	471.00	512.00	41.00	2.09	
BR-022	and including	505.20	508.75	3.55	14.90	
BR-022	and including	506.20	506.70	0.50	100.48	
BR-035		234.50	273.00	38.50	1.77	20750
BR-035	including	244.50	270.50	26.00	2.55	
BR-035	and including	261.00	270.50	9.50	6.02	
BR-035	and including	268.00	270.50	2.50	15.02	
BR-035	and	289.70	345.80	56.10	1.26	
BR-035						

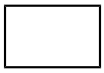
and including

340.50


345.80

5.30

9.20



BR-036		55.60	93.00	37.40	5.14	20600
BR-036	including	58.80	77.00	18.20	10.32	
BR-036	and including	63.30	66.60	3.30	21.33	
BR-036	and including	71.85	76.00	4.15	22.74	
BR-036	and including	71.85	74.50	2.65	32.00	
BR-037		68.50	74.50	6.00	16.60	20600
BR-037	including	68.50	70.80	2.30	28.61	
BR-037	and	86.00	152.20	66.20	2.01	
BR-037	including	89.97	91.70	1.73	35.96	
BR-037	and including	89.97	90.47	0.50	111.84	
BR-037	and	189.00	214.25	25.25	5.60	
BR-037	and including	206.15	214.25	8.10	13.73	
BR-037	and including	206.65	210.10	3.45	30.66	
BR-037	and including	206.65	208.25	1.60	59.05	
BR-040		360.50	432.10	71.60	1.39	22250
BR-040	including	401.30	422.00	20.70	2.22	
BR-041	and	72.60	146.60	74.00	0.67	21950
BR-042		217.70	259.50	41.80	1.13	21950
BR-042	and	264.60	302.55	37.95	1.13	
BR-043		318.50	443.90	125.40	1.08	21950
BR-043	including	348.00	437.80	189.80	1.31	
BR-045		287.45	323.00	35.55	1.05	
BR-060		284.00	333.00	49.00	1.74	
BR-060	including	295.00	311.00	16.00	3.82	20100
BR-060	and including	302.00	311.00	9.00	6.30	
BR-060	and including	306.70	311.00	4.30	11.95	
BR-065	and	251.60	260.30	8.70	48.67	19950
BR-065	including	252.55	256.90	4.35	97.00	
BR-065	and including	252.55	256.30	3.75	112.15	
BR-065						

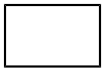
and including

253.60

254.80

1.20

241.88



BR-075		55.00	59.15	4.15	16.80	21150
BR-075	and	125.25	170.80	45.55	1.25	
BR-075	including	132.25	151.50	19.25	2.05	
DNW-011		58.00	60.00	2.00	194.21	22375
DNW-011	including	58.00	58.50	0.50	759.38	
DNW-011		72.50	93.00	20.50	8.48	
DNW-011	including	75.00	89.00	14.00	12.33	
DNW-011	and including	75.95	80.55	4.60	19.33	
DNW-011	and including	78.45	80.55	2.10	60.27	
DNW-011	and including	78.45	79.55	1.10	98.78	
DNW-011	and including	78.95	79.55	0.60	130.97	
DNW-011	and	98.00	169.60	71.60	0.60	
DNW-011	including	119.00	169.60	50.60	0.74	

*Widths are drill indicated core length, as insufficient drilling has been undertaken to determine true widths at this time. Average grades are calculated with un-capped gold assays, as insufficient drilling has been completed to determine capping levels for higher grade gold intercepts. Average widths are calculated using a 0.10 g/t gold cut-off grade with < 3 m of internal dilution of zero grade.

Table 3: Drill hole information for new drill results reported in this release. UTM NAD 83.

Hole ID	Easting	Northing	Elevation (m)	Dip	Azimuth
BR-023	457357	5634139	356	-55	205
BR-033	456118	5635007	371	-49	215
BR-050	458605	5633677	357	-50	216
BR-051	458725	5633836	358	-50	216
BR-057	458749	5633559	360	-50	213
BR-058	458897	5633419	365	-50	215
BR-059	459069	5633672	350	-50	215
BR-061	457739	5633841	365	-55	216
BR-062	457856	5634014	363	-55	216
BR-063	457938	5633777	364	-55	214
BR-064	458033	5633913	368	-55	216
BR-066	457263	5634327	355	-53	213
BR-067	457097	5634338	356	-60	213
BR-068	457018	5634402	357	-58	217

ABOUT THE DIXIE PROJECT

The Dixie Project is 100% owned, comprised of 9,140 hectares of contiguous claims that extend over 22 kilometres, and is located approximately 25 kilometres southeast of the town of Red Lake, Ontario. The project is accessible year-round via a 15 minute drive on a paved highway which runs the length of the northern claim boundary and a network of well-maintained logging roads.

The Dixie Project hosts two principle styles of gold mineralization:

- High-grade gold in quartz veins and silica-sulphide replacement zones (Dixie Limb and Hinge). Hosted by mafic volcanic rocks, and localized near regional-scale D2 fold axes. These mineralization styles are also typical of the significant mined deposits of the Red Lake district.

- High-grade disseminated gold with broad moderate to lower grade envelopes (LP Fault). The LP Fault is a significant gold-hosting structure which has been seismically imaged to extend to 14 kilometres depth (Zeng and Calvert, 2006), and has been interpreted by Great Bear to have up to 18 kilometres of strike length on the Dixie property. High-grade gold mineralization is controlled by structural and geological contacts, and moderate to lower-grade disseminated gold surrounds and flanks the high-grade intervals. The dominant gold-hosting stratigraphy consists of felsic sediments and volcanic units.

About Great Bear

Great Bear Resources Ltd. is a well-financed gold exploration company managed by a team with a track record of success in mineral exploration. Great Bear is focused in the prolific Red Lake gold district in northwest Ontario, where the company controls over 300 km^2 of highly prospective tenure across 4 projects: the flagship Dixie Project (100% owned), the Pakwash Property (earning a 100% interest), the Dedee Property (earning a 100% interest), and the Sobel Property (earning a 100% interest), all of which are accessible year-round through existing roads.

QA/QC and Core Sampling Protocols

Drill core is logged and sampled in a secure core storage facility located in Red Lake Ontario. Core samples from the program are cut in half, using a diamond cutting saw, and are sent to SGS Canada Inc. in Red Lake, Ontario, and Activation Laboratories in Ontario, both of which are accredited mineral analysis laboratories, for analysis. All samples are analysed for gold using standard Fire Assay-AA techniques. Samples returning over 10.0 g/t gold are analysed utilizing standard Fire Assay-Gravimetric methods. Pulps from approximately 5% of the gold mineralized samples are submitted for check analysis to a second lab. Selected samples are also chosen for duplicate assay from the coarse reject of the original sample. Selected samples with visible gold are also analyzed with a standard 1 kg metallic screen fire assay. Certified gold reference standards, blanks and field duplicates are routinely inserted into the sample stream, as part of Great Bear's quality control/quality assurance program (QAQC). No QAQC issues were noted with the results reported herein. Drill hole location information is provided below:

Qualified Person and NI 43-101 Disclosure

Mr. R. Bob Singh, P.Geo, Director and VP Exploration, and Ms. Andrea Diakow P.Geo, Exploration Manager for Great Bear are the Qualified Persons as defined by National Instrument 43-101 responsible for the accuracy of technical information contained in this news release.

ON BEHALF OF THE BOARD

"Chris Taylor"

Chris Taylor, President and CEO

Cautionary note regarding forward-looking statements

This release contains certain "forward looking statements" and certain "forward-looking information" as defined under applicable Canadian and U.S. securities laws. Forward-looking statements and information can generally be identified by the use of forward-looking terminology such as "may", "will", "should", "expect", "intend", "estimate", "anticipate", "believe", "continue", "plans" or similar terminology. The forward-looking information contained herein is provided for the purpose of assisting readers in understanding management's current expectations and plans relating to the future. Readers are cautioned that such information may not be appropriate for other purposes.

Forward-looking information are based on management of the parties' reasonable assumptions, estimates, expectations, analyses and opinions, which are based on such management's experience and perception of trends, current conditions and expected developments, and other factors that management believes are

relevant and reasonable in the circumstances, but which may prove to be incorrect.

Great Bear undertakes no obligation to update forward-looking information except as required by applicable law. Such forward-looking information represents management's best judgment based on information currently available. No forward-looking statement can be guaranteed and actual future results may vary materially. Accordingly, readers are advised not to place undue reliance on forward-looking statements or information.

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